

## МАРИЯ НИКОЛАЕВНА ПРЕОБРАЖЕНСКАЯ



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Мария Николаевна Преображенская, выдающийся ученый, работавший в области химии гетероциклических соединений и биологически активных веществ.

Мария Николаевна окончила химический факультет МГУ имени М. В. Ломоносова, там же обучалась в аспирантуре и защитила кандидатскую диссертацию. За время аспирантуры ею был разработан оригинальный индолин-индольный метод, который и до настоящего времени часто используется для получения труднодоступных замещённых индолов. С 1954 по 1971 г. М. Н. Преображенская работала во Всесоюзном научно-исследовательском химико-фармацевтическом институте, где в 1969 г. защитила докторскую диссертацию по специальности "биоорганическая химия", а в 1976 г. получила звание профессора по специальности "органическая химия". В эти годы ею были разработаны методы получения ряда биологически активных соединений, включая полный синтез стереоизомеров антибиотика индолмицина, индолилглицерина, серии замещённых триптаминов. С 1971 по 1987 г. Мария Николаевна возглавляла отдел химии Всесоюзного онкологического научного центра. Под её руководством был разработан оригинальный противоопухолевый препарат Араноза, выполнена серия работ, посвящённая синтезу и исследованию противоопухолевой активности нуклеозидов ряда индола, пурина и пиримидина.

С 1987 г. М. Н. Преображенская руководила лабораторией химической трансформации антибиотиков Научно-исследовательского института по изысканию новых антибиотиков им. Г. Ф. Гаузе РАМН. Область её научных интересов, включающая химические модификации антибиотиков и поиск синтетических веществ, обладающих химиотерапевтическими свойствами, чрезвычайно широка. Её школой успешно разработаны эффективные методы модификации гликопептидных, полиеновых, макролактamных и антрациклиновых антибиотиков, производных группы олигомицина, ауреоловой кислоты, стрептонирина. Под руководством М. Н. Преображенской проводился целенаправленный поиск биологически активных соединений в ряду бисиндолилмалеинимида, гетероаренантрахинонов, трииндолилметанов, индолилкарбинола, исследование иммуномодулятора аскорбигена и его аналогов. В результате обширной работы были выявлены вещества с высокой противоопухолевой, антибактериальной, противогрибковой, противовирусной активностью и, что особенно важно, найдены производные способные преодолевать механизмы множественной лекарственной устойчивости бактериальных и опухолевых клеток. В исследуемых классах были найдены закономерности структура–свойство, выявлены молекулярные основы механизмов действия ряда биологически активных веществ, необходимые для дальнейшей оптимизации их структуры. С несколькими отобранными соединениями лидерами и сейчас проводятся углубленные доклинические исследования.

Профессор М. Н. Преображенская активно работала со студентами дипломниками и аспирантами. Ею подготовлено более 40 кандидатов наук. Она автор более 400

исследовательских статей и обзоров, опубликованных в отечественных и зарубежных журналах, более 30 патентов СССР и РФ. Мария Николаевна – заслуженный деятель науки РФ, член редколлегий журналов "Нуклеозиды и нуклеотиды" (США), "Журнал антибиотиков" (Япония), "Химико-фармацевтический журнал" (Россия), "Антибиотики и химиотерапия" (Россия). В 1976–1985 гг. М. Н. Преображенская была председателем Всесоюзной комиссии АМН СССР по лекарственной терапии рака, заместителем председателя Научного совета РАМН по антибиотикам, членом Диссертационного совета Московской государственной академии тонкой химической технологии им. М. В. Ломоносова, членом Российского биохимического общества, Международного общества по химии гетероциклических соединений, Международного общества по защите от рака.

### **Список основных публикаций:**

**1. TIKHOMIROV, AS; SHCHEKOTIKHIN, AE; LEE, YH; CHEN, YA; YEH, CA; TATARSKIY, VV; DEZHENKOVA, LG; GLAZUNOVA, VA; BALZARINI, J; SHTIL, AA; PREOBRAZHENSKAYA, MN; CHUEH, PJ.**

SYNTHESIS AND CHARACTERIZATION OF 4,11-DIAMINOANTHRA[2,3-B]FURAN-5,10-DIONES: TUMOR CELL APOPTOSIS THROUGH TNOX-MODULATED NAD(+)/NADH RATIO AND SIRT1

JOURNAL OF MEDICINAL CHEMISTRY 58(24), 9522-9534 (2015)

**2. TEVYASHOVA, AN; OLSUFYEVA, EN; PREOBRAZHENSKAYA, MN.**

DESIGN OF DUAL ACTION ANTIBIOTICS AS AN APPROACH TO SEARCH FOR NEW PROMISING DRUGS

RUSSIAN CHEMICAL REVIEWS 84(1), 61-97 (2015)

**3. SINGH, M; KIM, SJ; SHARIF, S; PREOBRAZHENSKAYA, M; SCHAEFER, J.**

REDOR CONSTRAINTS ON THE PEPTIDOGLYCAN LATTICE ARCHITECTURE OF STAPHYLOCOCCUS AUREUS AND ITS FEMA MUTANT

BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES 1848(1), 363-368 (2015)

**4. SHCHEKOTIKHIN, AE; GLAZUNOVA, VA; DEZHENKOVA, LG; LUZIKOV, YN; BUYANOV, VN; TRESHALINA, HM; LESNAYA, NA; ROMANENKO, VI; KALUZHNY, DN; BALZARINI, J; AGAMA, K; POMMIER, Y; SHTIL, AA; PREOBRAZHENSKAYA, MN.**

SYNTHESIS AND EVALUATION OF NEW ANTITUMOR 3-AMINOMETHYL-4,11-DIHYDROXYNAPHTHO[2,3-F]INDOLE-5,10-DIONES

EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY 86, 797-805 (2014)

**5. TIKHOMIROV, AS; SHCHEKOTIKHIN, AE; LUZIKOV, YN; KOROLEV, AM; PREOBRAZHENSKAYA, MN.**

PD-CATALYZED CROSS-COUPPLING/HETEROCYCLIZATION DOMINO REACTION: FACILE ACCESS TO ANTHRA[2,3-B]FURAN-5,10-DIONE SCAFFOLD

TETRAHEDRON 70(43), 8062-8066 (2014)

**6. TIKHOMIROV, AS; SHCHEKOTIKHIN, AE; PREOBRAZHENSKAYA, MN.**

METHODS FOR THE SYNTHESIS AND MODIFICATION OF LINEAR ANTHRAFURANDIONES (REVIEW)

CHEMISTRY OF HETEROCYCLIC COMPOUNDS 50(2), 171-184 (2014)

**7. TIKHOMIROV, AS; SHCHEKOTIKHIN, AE; LUZIKOV, YN; KOROLEV, AM; PREOBRAZHENSKAYA, MN.**

HETEROCYCLIC ANALOGS OF 5,12-NAPHTHACENE-QUINONE. 12. SYNTHESIS OF 2-SUBSTITUTED DERIVATIVES OF 4,11-DIMETHOXY-5,10-DIOXO-ANTHRA[2,3-B]FURAN-3-CARBOXYLIC ACIDS

CHEMISTRY OF HETEROCYCLIC COMPOUNDS 50(2), 271-280 (2014)

- 8. RECHFELD, F; GRUBER, P; KIRCHMAIR, J; BOEHLER, M; HAUSER, N; HECHENBERGER, G; GARCZARCZYK, D; LAPA, GB; PREOBRAZHENS KAYA, MN; GOEKJIAN, P; LANGER, T; HOFMANN, J.**  
THIENOQUINOLINES AS NOVEL DISRUPTORS OF THE PKC EPSILON/RACK2 PROTEIN-PROTEIN INTERACTION  
JOURNAL OF MEDICINAL CHEMISTRY 57(8), 3235-3246 (2014)
- 9. LYSENKOVA, LN; TURCHIN, KF; KOROLEV, AM; DANILENKO, VN; BEKKER, OB; DEZHENKOVA, LG; SHTIL, AA; PREOBRAZHENS KAYA, MN.**  
STUDY ON RETROALDOL DEGRADATION PRODUCTS OF ANTIBIOTIC OLIGOMYCIN A  
JOURNAL OF ANTIBIOTICS 67(2), 153-158 (2014)
- 10. SIMONOV, AY; BYKOV, EE; LAKATOSH, SA; LUZIKOV, YN; KOROLEV, AM; REZNIKOVA, MI; PREOBRAZHENS KAYA, MN.**  
MACROLACTONES BUILT FROM THE BIS-3,4(INDOL-1-YL)MALEIMIDE SCAFFOLD  
TETRAHEDRON 70(3), 625-630 (2014)
- 11. OLSUFYEVA, EN; PREOBRAZHENS KAYA, MN.**  
GLYCOPEPTIDE ANTIBIOTIC ANALOGS EFFICIENT AGAINST VANCOMYCIN-RESISTANT BACTERIA: A PATENT EVALUATION (WO2013022763)  
EXPERT OPINION ON THERAPEUTIC PATENTS 23(12), 1625-1634 (2013)
- 12. LAPA, GB; BEKKER, OB; MIRCHINK, EP; DANILENKO, VN; PREOBRAZHENS KAYA, MN.**  
REGIOSELECTIVE ACYLATION OF CONGENERS OF 3-AMINO-1H-PYRAZOLO[3,4-B]QUINOLINES, THEIR ACTIVITY ON BACTERIAL SERINE/THREONINE PROTEIN KINASES AND IN VITRO ANTIBACTERIAL (INCLUDING ANTIMYCOBACTERIAL) ACTIVITY  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY 28(5), 1088-1093 (2013)
- 13. TEVYASHOVA, AN; DURANDIN, NA; VINOGRADOV, AM; ZBARSKY, VB; REZNIKOVA, MI; DEZHENKOVA, LG; BYKOV, EE; OLSUFYEVA, EN; KUZMIN, VA; SHTIL, AA; PREOBRAZHENS KAYA, MN.**  
ROLE OF THE ACYL GROUPS IN CARBOHYDRATE CHAINS IN CYTOTOXIC PROPERTIES OF OLIVOMYCIN A  
JOURNAL OF ANTIBIOTICS 66(9), 523-530 (2013)
- 14. TEVYASHOVA, AN; OLSUFYEVA, EN; SOLOVIEVA, SE; PRINTSEVSKAYA, SS; REZNIKOVA, MI; TRENIN, AS; GALATENKO, OA; TRESHALIN, ID; PEREVERZEVA, ER; MIRCHINK, EP; ISAKOVA, EB; ZOTCHEV, SB; PREOBRAZHENS KAYA, MN.**  
STRUCTURE-ANTIFUNGAL ACTIVITY RELATIONSHIPS OF POLYENE ANTIBIOTICS OF THE AMPHOTERICIN B GROUP  
ANTIMICROBIAL AGENTS AND CHEMOTHERAPY 57(8), 3815-3822 (2013)
- 15. LYSENKOVA, LN; TURCHIN, KF; KOROLEV, AM; DEZHENKOVA, LG; BEKKER, OB; SHTIL, AA; DANILENKO, VN; PREOBRAZHENS KAYA, MN.**  
SYNTHESIS AND CYTOTOXICITY OF OLIGOMYCIN A DERIVATIVES MODIFIED IN THE SIDE CHAIN  
BIOORGANIC & MEDICINAL CHEMISTRY 21(11), 2918-2924 (2013)
- 16. KIM, SJ; SINGH, M; PREOBRAZHENS KAYA, M; SCHAEFER, J.**  
STAPHYLOCOCCUS AUREUS PEPTIDOGLYCAN STEM PACKING BY ROTATIONAL-ECHO DOUBLE RESONANCE NMR SPECTROSCOPY  
BIOCHEMISTRY 52(21), 3651-3659 (2013)
- 17. TIKHOMIROV, AS; SHCHEKOTIKHIN, AE; LUZIKOV, YN; KOROLEV, AM; PREOBRAZHENS KAYA, MN.**  
HETEROCYCLIC ANALOGS OF 5,12-NAPHTHACENE-QUINONE. 11\*. A NEW METHOD

FOR PREPARING 4,11-DIMETHOXYANTHRA[2,3-B]FURAN-5,10-DIONE  
CHEMISTRY OF HETEROCYCLIC COMPOUNDS 49(2), 241-248 (2013)

**18. PRINTSEVSKAYA, SS; REZNIKOVA, MI; KOROLEV, AM; LAPA, GB;  
OLSUFYEVA, EN; PREOBRAZHENSKAYA, MN; PLATTNER, JJ; ZHANG, YK.**  
SYNTHESIS AND STUDY OF ANTIBACTERIAL ACTIVITIES OF ANTIBACTERIAL  
GLYCOPEPTIDE ANTIBIOTICS CONJUGATED WITH BENZOXABOROLE  
FUTURE MEDICINAL CHEMISTRY 5(6), 641-652 (2013)

**19. OLSUF'EVA, EN; SOLOV'EVA, SE; REZNIKOVA, MI; KOROLEV, AM;  
PREOBRAZHENSKAYA, MN.**  
UNUSUAL AMIDATION REACTION OF ASPARAGINE-CONTAINING GLYCOPEPTIDE  
ANTIBIOTICS IN THE PRESENCE OF (BENZOTRIAZOLE-1-YL)OXY-  
TRIS(PYRROLIDINO)PHOSPHONIUM HEXAFLUOROPHOSPHATE (PYBOP)  
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY 39(2), 121-130 (2013)

**20. ARONCHIK, I; CHEN, T; DURKIN, KA; HORWITZ, MS; PREOBRAZHENSKAYA,  
MN; BJELDANES, LF; FIRESTONE, GL.**  
TARGET PROTEIN INTERACTIONS OF INDOLE-3-CARBINOL AND THE HIGHLY  
POTENT DERIVATIVE 1-BENZYL-I3C WITH THE C-TERMINAL DOMAIN OF HUMAN  
ELASTASE UNCOUPLES CELL CYCLE ARREST FROM APOPTOTIC SIGNALING  
MOLECULAR CARCINOGENESIS 51(11), 881-894 (2012)

**21. LYSENKOVA, LN; TURCHIN, KF; KOROLEV, AM; BYKOV, EE; DANILENKO, VN;  
BEKKER, OB; TRENIN, AS; ELIZAROV, SM; DEZHENKOVA, LG; SHTIL, AA;  
PREOBRAZHENSKAYA, MN.**  
A NOVEL ACYCLIC OLIGOMYCIN A DERIVATIVE FORMED VIA RETRO-ALDOL  
REARRANGEMENT OF OLIGOMYCIN A  
JOURNAL OF ANTIBIOTICS 65(8), 405-411 (2012)

**22. DE BURGHGRAEVE, T; KAPTEIN, SJF; AYALA-NUNEZ, NV; MONDOTTE, JA;  
PASTORINO, B; PRINTSEVSKAYA, SS; DE LAMBALLERIE, X; JACOBS, M;  
PREOBRAZHENSKAYA, M; GAMARNIK, AV; SMIT, JM; NEYTS, J.**  
AN ANALOGUE OF THE ANTIBIOTIC TEICoplanin PREVENTS FLAVIVIRUS ENTRY  
IN VITRO  
PLOS ONE 7(5), - (2012)

**23. LYSENKOVA, LN; TURCHIN, KF; KOROLEV, AM; DANILENKO, VN; BEKKER,  
OB; TRENIN, AS; SHTIL, AA; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS AND PROPERTIES OF A NOVEL BROMINATED OLIGOMYCIN A  
DERIVATIVE  
JOURNAL OF ANTIBIOTICS 65(4), 223-225 (2012)

**24. SHCHEKOTIKHIN, AE; NIKITINA, AN; GLAZUNOVA, VA; SHTIL, AA;  
KUBBUTAT, M; PREOBRAZHENSKAYA, MN.**  
THE STRUCTURE-ACTIVITY RELATIONSHIP STUDIES OF NOVEL PROTEIN KINASE  
INHIBITORS BASED ON THE NAPHTHO[2,3-F]ISATIN-5,10-DIONE SCAFFOLD  
ANNALS OF ONCOLOGY 23, 35-35 (2012)

**25. TIKHOMIROV, AS; SHCHEKOTIKHIN, AE; LUZIKOV, YN; KOROLEV, AM;  
PREOBRAZHENSKAYA, MN.**  
HETEROCYCLIC ANALOGS OF 5,12-NAPHTHACENEQUINONE 10. SYNTHESIS OF  
FURANOQUINIZARINE AND ITS NEW DERIVATIVES  
CHEMISTRY OF HETEROCYCLIC COMPOUNDS 47(10), 1206-1211 (2012)

**26. BYKOV, EE; CHUVYLKIN, ND; LAVRENOV, SN; PREOBRAZHENSKAYA, MN.**  
QUANTUM-CHEMICAL STUDY OF TRIINDOLYLMETHYLUM SALTS DISSOCIATION IN  
COMPARISON WITH TRIPHENYL-METHYL CHLORIDE AND ITS DERIVATIVES  
CHEMISTRY OF HETEROCYCLIC COMPOUNDS 47(10), 1225-1229 (2012)

- 27. TEVYASHOVA, AN; SHTIL, AA; OLSUFYEVA, EN; LUZIKOV, YN; REZNIKOVA, MI; DEZHENKOVA, LG; ISAKOVA, EB; BUKHMAN, VM; DURANDIN, NA; VINOGRADOV, AM; KUZMIN, VA; PREOBRAZHENSKAYA, MN.**  
MODIFICATION OF OLIVOMYCIN A AT THE SIDE CHAIN OF THE AGLYCON YIELDS THE DERIVATIVE WITH PERSPECTIVE ANTITUMOR CHARACTERISTICS  
BIOORGANIC & MEDICINAL CHEMISTRY 19(24), 7387-7393 (2011)
- 28. DANILENKO, VN; OSOLODKIN, DI; LAKATOSH, SA; PREOBRAZHENSKAYA, MN; SHTIL, AA.**  
BACTERIAL EUKARYOTIC TYPE SERINE-THREONINE PROTEIN KINASES: FROM STRUCTURAL BIOLOGY TO TARGETED ANTI-INFECTIVE DRUG DESIGN  
CURRENT TOPICS IN MEDICINAL CHEMISTRY 11(11), 1352-1369 (2011)
- 29. OBEID, S; PRINTSEVSKAYA, SS; OLSUFYEVA, EN; DALLMEIER, K; DURANTEL, D; ZOULIM, F; PREOBRAZHENSKAYA, MN; NEYTS, J; PAESHUYSE, J.**  
INHIBITION OF HEPATITIS C VIRUS REPLICATION BY SEMI-SYNTHETIC DERIVATIVES OF GLYCOPEPTIDE ANTIBIOTICS  
JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY 66(6), 1287-1294 (2011)
- 30. NIKITINA, AN; SHCHEKOTIKHIN, AE; LUZIKOV, YN; KOROLEV, AM; BUYANOV, VN; PREOBRAZHENSKAYA, MN.**  
HETEROCYCLIC ANALOGS OF 5,12-NAPHTHACENEQUINONE 9\*. STUDY OF THE SYNTHESIS AND REACTIVITY OF 4,11-DIMETHOXYNAPHTHO[2,3-F]ISATIN-5,10-DIONES  
CHEMISTRY OF HETEROCYCLIC COMPOUNDS 47(2), 194-203 (2011)
- 31. DE BURGHGRAEVE, T; KAPTEIN, SJF; PAESHUYSE, J; AYALA-NUNEZ, V; PREOBRAZHENSKAYA, M; GAMARNIK, A; SMIT, J; NEYTS, J.**  
AN ANALOGUE OF THE ANTIBIOTIC TEICOPLANIN INHIBITS DENGUE VIRUS ENTRY IN VITRO  
ANTIVIRAL RESEARCH 90(2), A31-A31 (2011)
- 32. SHCHEKOTIKHIN, AE; GLAZUNOVA, VA; DEZHENKOVA, LG; SHEVTSOVA, EK; TRAVEN', VF; BALZARINI, J; HUANG, HS; SHTIL, AA; PREOBRAZHENSKAYA, MN.**  
THE FIRST SERIES OF 4,11-BIS[(2-AMINOETHYL)AMINO]ANTHRA[2,3-B]FURAN-5,10-DIONES: SYNTHESIS AND ANTI-PROLIFERATIVE CHARACTERISTICS  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY 46(1), 423-428 (2011)
- 33. BYKOV, EE; CHUVYLKIN, ND; LAVRENOV, SN; PREOBRAZHENSKAYA, MN.**  
QUANTUM-CHEMICAL STUDY OF NUCLEOPHILIC SUBSTITUTION IN PROTONATED TRISINDOLYLMETHANE  
CHEMISTRY OF HETEROCYCLIC COMPOUNDS 46(10), 1233-1238 (2011)
- 34. SOLOVIEVA, SE; OLSUFYEVA, EN; PREOBRAZHENSKAYA, MN.**  
CHEMICAL MODIFICATION OF ANTIFUNGAL POLYENE MACROLIDE ANTIBIOTICS  
RUSSIAN CHEMICAL REVIEWS 80(2), 103-126 (2011)
- 35. LAKATOSH, SA; BYKOV, EE; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS OF 2-HETARYL-3-(INDOL-1-YL)-AND -(3-PYRROL-1-YL)MALEIMIDES AND STUDY OF THEIR CONVERSIONS UNDER THE ACTION OF PROTIC ACIDS  
CHEMISTRY OF HETEROCYCLIC COMPOUNDS 46(10), 1224-1232 (2011)
- 36. CHEGLAKOV, IB; TEVYASHOVA, AN; KURBATOV, LK; TATARSKY, VV; SAMUSENKO, AV; PREOBRAZHENSKAYA, MN; SHTIL, AA.**  
ALTERED TRANSCRIPTION AND REPLICATION ARE THE MECHANISMS OF CYTOTOXICITY OF ANTITUMOR ANTIBIOTIC OLIVOMYCIN A  
DOKLADY BIOCHEMISTRY AND BIOPHYSICS 435(1), 320-322 (2010)
- 37. ANDREEVA, EV; VINOGRADOV, AM; TEVYASHOVA, AN; OLSUFYEVA, EN; BUROVA, TV; GRINBERG, NV; GRINBERG, VY; SKURIDIN, SG;**

- PREOBRAZHENSKAYA, MN; SHTIL, AA; KUZMIN, VA.**  
STUDIES OF COMPLEX FORMATION OF OLIVOMYCIN A AND ITS DERIVATIVES WITH DNA  
DOKLADY BIOCHEMISTRY AND BIOPHYSICS 435(1), 334-338 (2010)
- 38. STEPANOVA, EV; SHTIL', AA; LAVRENOV, SN; BUKHMAN, VM; INSHAKOV, AN; MIRCHINK, EP; TRENIN, AS; GALATENKO, OA; ISAKOVA, EB; GLAZUNOVA, VA; DEZHENKOVA, LG; SOLOMKO, ES; BYKOV, EE; PREOBRAZHENSKAYA, MN.**  
TRIS(1-ALKYLINDOL-3-YL)METHYLUM SALTS AS A NOVEL CLASS OF ANTITUMOR AGENTS  
RUSSIAN CHEMICAL BULLETIN 59(12), 2259-2267 (2010)
- 39. LAVRENOV, SN; LUZIKOV, YN; BYKOV, EE; REZNIKOVA, MI; STEPANOVA, EV; GLAZUNOVA, VA; VOLODINA, YL; TATARSKY, VV; SHTIL, AA; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS AND CYTOTOXIC POTENCY OF NOVEL TRIS(1-ALKYLINDOL-3-YL)METHYLUM SALTS: ROLE OF N-ALKYL SUBSTITUENTS  
BIOORGANIC & MEDICINAL CHEMISTRY 18(18), 6905-6913 (2010)
- 40. NGUYEN, HH; LAVRENOV, SN; SUNDAR, SN; NGUYEN, DHH; TSENG, M; MARCONETT, CN; KUNG, J; STAUB, RE; PREOBRAZHENSKAYA, MN; BJELDANES, LF; FIRESTONE, GL.**  
1-BENZYL-INDOLE-3-CARBINOL IS A NOVEL INDOLE-3-CARBINOL DERIVATIVE WITH SIGNIFICANTLY ENHANCED POTENCY OF ANTI-PROLIFERATIVE AND ANTI-ESTROGENIC PROPERTIES IN HUMAN BREAST CANCER CELLS  
CHEMICO-BIOLOGICAL INTERACTIONS 186(3), 255-266 (2010)
- 41. SIMONOV, AY; LAKATOSH, SA; LUZIKOV, YN; REZNIKOVA, MI; PREOBRAZHENSKAYA, MN.**  
NUCLEOPHILIC SUBSTITUTION AND CYCLIZATION REACTIONS INVOLVING QUATERNIZED 3-DIMETHYLAMINOMETHYL DERIVATIVES OF 3,4-BIS(INDOL-1-YL)MALEIMIDE AND 3-(INDOL-1-YL)-4-(INDOLIN-1-YL)MALEIMIDE  
RUSSIAN CHEMICAL BULLETIN 59(7), 1442-1450 (2010)
- 42. OBEID, S; PREOBRAZHENSKAYA, MN; DELANG, L; PRINTSEVSKAYA, SS; OLSUFYEVA, EN; SOLOVIEVA, SE; BALZARINI, J; VAN LOMMEL, A; NEYTS, J; PAESHUYSE, J.**  
INHIBITION OF HEPATITIS C VIRUS REPLICATION BY SEMISYNTHETIC DERIVATIVES OF GLYCOPEPTIDE ANTIBIOTICS  
ANTIVIRAL RESEARCH 86(1), A40-A41 (2010)
- 43. KOROLEV, AM; LUZIKOV, YN; REZNIKOVA, MI; PREOBRAZHENSKAYA, MN.**  
3-O AND 2-C ALKYLATION OF L-ASCORBATES WITH BENZYL HALIDES AND N-SUBSTITUTED INDOLEMETHANOL DERIVATIVES  
RUSSIAN CHEMICAL BULLETIN 59(2), 457-462 (2010)
- 44. PREOBRAZHENSKAYA, MN; OLSUFYEVA, EN; TEVYASHOVA, AN; PRINTSEVSKAYA, SS; SOLOVIEVA, SE; REZNIKOVA, MI; TRENIN, AS; GALATENKO, OA; TRESHALIN, ID; PEREVERZEVA, ER; MIRCHINK, EP; ZOTCHEV, SB.**  
SYNTHESIS AND STUDY OF THE ANTIFUNGAL ACTIVITY OF NEW MONO- AND DISUBSTITUTED DERIVATIVES OF A GENETICALLY ENGINEERED POLYENE ANTIBIOTIC 28,29-DIDEHYDRONYSTATIN A(1) (S44HP)  
JOURNAL OF ANTIBIOTICS 63(2), 55-64 (2010)
- 45. LYSENKOVA, LN; TURCHIN, KF; DANILENKO, VN; KOROLEV, AM; PREOBRAZHENSKAYA, MN.**  
THE FIRST EXAMPLES OF CHEMICAL MODIFICATION OF OLIGOMYCIN A

JOURNAL OF ANTIBIOTICS 63(1), 17-22 (2010)

**46. TEVYASHOVA, AN; REZNIKOVA, MI; DEZHENKOVA, LG; ZBARSKY, VB; SHTIL, AA; PREOBRAZHENSKAYA, MN.**

STRUCTURE - ACTIVITY STUDIES OF NATURAL AND SEMISYNTHETIC OLIVOMYCINS - ANTITUMOR ANTIBIOTICS OF AUREOLIC ACID GROUP

ANNALS OF ONCOLOGY 21, 32-32 (2010)

**47. SHCHEKOTIKHIN, AE; DEZHENKOVA, LG; GLAZUNOVA, VA; KALUZHNY, DN; ILYINSKY, NS; SHTIL, AA; PREOBRAZHENSKAYA, MN; LIN, JJ; HUANG, HS.**

NOVEL ANTHRATHIOPHENE DERIVATIVES BIND TELOMERIC G-QUADRUPLEX AND INHIBIT TELOMERASE

ANNALS OF ONCOLOGY 21, 32-33 (2010)

**48. TEVYASHOVA, AN; OLSUFYEVA, EN; TURCHIN, KF; BALZARINI, J; BYKOV, EE; DEZHENKOVA, LG; SHTIL, AA; PREOBRAZHENSKAYA, MN.**

REACTION OF THE ANTITUMOR ANTIBIOTIC OLIVOMYCIN I WITH ARYL DIAZONIUM SALTS. SYNTHESIS, CYTOTOXIC AND ANTIRETROVIRAL POTENCY OF 5-

ARYLDIAZENYL-6-O-DEGLYCOSYL DERIVATIVES OF OLIVOMYCIN I

BIOORGANIC & MEDICINAL CHEMISTRY 17(14), 4961-4967 (2009)

**49. SHCHEKOTIKHIN, AE; GLAZUNOVA, VA; DEZHENKOVA, LG; LUZIKOV, YN; SINKEVICH, YB; KOVALENKO, LV; BUYANOV, VN; BALZARINI, J; HUANG, FC; LIN, JJ; HUANG, HS; SHTIL, AA; PREOBRAZHENSKAYA, MN.**

SYNTHESIS AND CYTOTOXIC PROPERTIES OF 4,11-BIS[(AMINOETHYL)AMINO]ANTHRA[2,3-B]THIOPHENE-5,10-DIONES, NOVEL

ANALOGUES OF ANTITUMOR ANTHRACENE-9,10-DIONES

BIOORGANIC & MEDICINAL CHEMISTRY 17(5), 1861-1869 (2009)

**50. TEVYASHOVA, AN; OLSUFYEVA, EN; BALZARINI, J; SHTIL, AA; DEZHENKOVA, LG; BUKHMAN, VM; ZBARSKY, VB; PREOBRAZHENSKAYA, MN.**

MODIFICATION OF THE ANTIBIOTIC OLIVOMYCIN I AT THE 2'-KETO GROUP OF THE SIDE CHAIN. NOVEL DERIVATIVES, ANTITUMOR AND TOPOISOMERASE I-POISONING ACTIVITY (VOL 62, PG 37, 2009)

JOURNAL OF ANTIBIOTICS 62(2), 117-117 (2009)

**51. SHCHEKOTIKHIN, AE; LUZIKOV, YN; BUYANOV, VN; PREOBRAZHENSKAYA, MN.**

HETEROCYCLIC ANALOGS OF 5,12-NAPHTHACENEQUINONE 8. SYNTHESIS OF FURANO-ANTHRAQUINONES

CHEMISTRY OF HETEROCYCLIC COMPOUNDS 45(2), 151-160 (2009)

**52. PREOBRAZHENSKAYA, MN; OLSUFYEVA, EN; SOLOVIEVA, SE; TEVYASHOVA, AN; REZNIKOVA, MI; LUZIKOV, YN; TEREKHOVA, LP; TRENIN, AS; GALATENKO, OA; TRESHALIN, ID; MIRCHINK, EP; BUKHMAN, VM; SLETTA, H; ZOTCHEV, SB.**

CHEMICAL MODIFICATION AND BIOLOGICAL EVALUATION OF NEW SEMISYNTHETIC DERIVATIVES OF 28,29-DIDEHYDRONYSTATIN A(1) (S44HP), A GENETICALLY ENGINEERED ANTIFUNGAL POLYENE MACROLIDE ANTIBIOTIC

JOURNAL OF MEDICINAL CHEMISTRY 52(1), 189-196 (2009)

**53. TEVYASHOVA, AN; ZBARSKY, EN; BALZARINI, J; SHTIL, AA; DEZHENKOVA, LG; BUKHMAN, VM; ZBARSKY, VB; PREOBRAZHENSKAYA, MN.**

MODIFICATION OF THE ANTIBIOTIC OLIVOMYCIN I AT THE 2'-KETO GROUP OF THE SIDE CHAIN. NOVEL DERIVATIVES, ANTITUMOR AND TOPOISOMERASE I-POISONING ACTIVITY

JOURNAL OF ANTIBIOTICS 62(1), 37-41 (2009)

**54. DANILENKO, VN; SIMONOV, AY; LAKATOSH, SA; KUBBUTAT, MHG; TOTZKE, F; SCHACHTELE, C; ELIZAROV, SM; BEKKER, OB; PRINTSEVSKAYA, SS;**

- LUZIKOV, YN; REZNIKOVA, MI; SHTIL, AA; PREOBRAZHENSKAYA, MN.**  
SEARCH FOR INHIBITORS OF BACTERIAL AND HUMAN PROTEIN KINASES AMONG  
DERIVATIVES OF DIAZEPINES[1,4] ANNELATED WITH MALEIMIDE AND INDOLE  
CYCLES  
JOURNAL OF MEDICINAL CHEMISTRY 51(24), 7731-7736 (2008)
- 55. SOLOV'eva, SE; PRINTSEVSKAYA, SS; OLSUF'eva, EN; BATTA, G;  
PREOBRAZHENSKAYA, MN.**  
NEW DERIVATIVES OF EREMOMYCIN CONTAINING N-15 OR F ATOMS FOR NMR  
STUDY  
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY 34(6), 747-754 (2008)
- 56. SHCHEKOTIKHIN, AE; LUZIKOV, YN; SINKEVICH, YB; BUYANOV, VN;  
PREOBRAZHENSKAYA, MN.**  
HETEROCYCLIC ANALOGS OF 5,12-NAPHTHACENEQUINONE 7. SYNTHESIS OF  
NAPHTHO-[2,3-F]ISATIN-5,10-DIONE DERIVATIVES  
CHEMISTRY OF HETEROCYCLIC COMPOUNDS 44(10), 1245-1249 (2008)
- 57. SIMONOV, AY; LAKATOSH, SA; LUZIKOV, YN; REZNIKOVA, MI; SUSOVA, OY;  
SHTIL', AA; ELIZAROV, SM; DANILENKO, VN; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS OF 4-SUBSTITUTED 3-[3-(DIALKYLAMINOMETHYL)INDOL-1-  
YL]MALEIMIDES AND STUDY OF THEIR ABILITY TO INHIBIT PROTEIN KINASE C-  
ALPHA, PREVENT DEVELOPMENT OF MULTIPLE DRUG RESISTANCE OF TUMOR  
CELLS AND CYTOTOXICITY  
RUSSIAN CHEMICAL BULLETIN 57(9), 2011-2020 (2008)
- 58. BYKOV, EE; PREOBRAZHENSKAYA, MN.**  
CYCLIZATION OF VICINALLY SUBSTITUTED HETEROCYCLIC ANALOGS OF 3,4-  
BIS(INDOL-1-YL)MALEIMIDE UNDER THE ACTION OF PROTIC ACIDS: A QUANTUM  
CHEMICAL STUDY  
RUSSIAN CHEMICAL BULLETIN 57(7), 1374-1378 (2008)
- 59. DEZHENKOVA, LG; TEVYASHOVA, AN; SUREVA, EN; TRESHCHALIN, IA;  
SHFIL, AA; PREOBRAZHENSKAYA, MN.**  
ANTHRACYCLINE ANTIBIOTICS AND THEIR DERIVATIVES, INHIBITORS OF  
TOPOISOMERASE I  
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY 34(3), 387-389 (2008)
- 60. DEZHENKOVA, LG; SUSOVA, OY; SHCHEKOTIKHIN, AE;  
PREOBRAZHENSKAYA, MN; SHTIL, AA.**  
NAPHTHO[2,3-F]INDOLE-5,10-DIONE AMINOALKYL DERIVATIVES: A NEW CLASS OF  
TOPOISOMERASE I INHIBITORS  
BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE 145(3), 334-337 (2008)
- 61. JUMP, SM; KUNG, J; STAUB, R; KINSETH, MA; CRAM, EJ; YUDINA, LN;  
PREOBRAZHENSKAYA, MN; BJELDANES, LF; FIRESTONE, GL.**  
N-ALKOXY DERIVATIZATION OF INDOLE-3-CARBINOL INCREASES THE EFFICACY  
OF THE G1 CELL CYCLE ARREST AND OF 13C-SPECIFIC REGULATION OF CELL  
CYCLE GENE TRANSCRIPTION AND ACTIVITY IN HUMAN BREAST CANCER CELLS  
BIOCHEMICAL PHARMACOLOGY 75(3), 713-724 (2008)
- 62. SHCHEKOTIKHIN, AE; DEZHENKOVA, LG; SUSOVA, OY; GLAZUNOVA, VA;  
SHTIL, AA; PREOBRAZHENSKAYA, MN; HUANG, HS.**  
NOVEL NAPHTHOINDOLE-DIONE DERIVED TOPOISOMERASE I INHIBITORS: POTENT  
FOR MULTIDRUG RESISTANT TUMOR CELLS  
ANNALS OF ONCOLOGY 19, 28-28 (2008)
- 63. MAPLES, KR; WHEELER, C; IP, E; PLATTNER, JJ; CHU, D; ZHANG, YK;  
PREOBRAZHENSKAYA, MN; PRINTSEVSKAYA, SS; SOLOVIEVA, SE; OLSUFYEVA,**



**EN; HEINE, H; LOVCHIK, J; LYONS, CR.**

NOVEL SEMISYNTHETIC DERIVATIVE OF ANTIBIOTIC EREMOMYCIN ACTIVE AGAINST DRUG-RESISTANT GRAM-POSITIVE PATHOGENS INCLUDING BACILLUS ANTHRACIS

JOURNAL OF MEDICINAL CHEMISTRY 50(15), 3681-3685 (2007)

**64. SHCHEKOTIKHIN, AE; DEZHENKOVA, LG; SUSOVA, OY; GLAZUNOVA, VA; LUZIKOV, YN; SINKEVICH, YB; BUYANOV, VN; SHTIL, AA; PREOBRAZHENSKAYA, MN.**

NAPHTHOINDOLE-BASED ANALOGUES OF TRYPTOPHAN AND TRYPTAMINE: SYNTHESIS AND CYTOTOXIC PROPERTIES

BIOORGANIC & MEDICINAL CHEMISTRY 15(7), 2651-2659 (2007)

**65. PLATTNER, JJ; CHU, D; MIREHINK, EP; ISAKOVA, EB; PREOBRAZHENSKAYA, MN; OLSUFYEVA, EN; MIROSHNIKOVA, OV; PRINTSEVSKAYA, SS.**

N'-(ALPHA-AMINOACYL)- AND N'-ALPHA-(N-ALKYLAMINO)ACYL DERIVATIVES OF VANCOMYCIN AND EREMOMYCIN - II. ANTIBACTERIAL ACTIVITY OF N'-(ALPHA-AMINOACYL)- AND N'-ALPHA-(N-ALKYLAMINO)ACYL DERIVATIVES OF VANCOMYCIN AND EREMOMYCIN

JOURNAL OF ANTIBIOTICS 60(4), 245-250 (2007)

**66. SHCHEKOTIKHIN, AE; LUSIKOV, YN; BUYANOV, VN; PREOBRAZHENSKAYA, MN.**

HETEROCYCLIC ANALOGS OF 5,12-NAPHTHACENE-QUINONE. 6. SYNTHESIS OF 4,11-DIMETHOXY DERIVATIVES OF ANTHRA[2,3-B]THIOPHEN-5,10-DIONE AND ANTHRA[2,3-D]ISOTHIAZOLE-5,10-DIONE

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (4), 538-543 (2007)

**67. PREOBRAZHENSKAYA, MN; OLSUFYEVA, EN; MIROSHNIKOVA, OV; PLATTNER, JJ; CHU, D; PRINTSEVSKAYA, SS.**

N'-(ALPHA-AMINOACYL)- AND N'-ALPHA-(N-ALPHA-ALKYLAMINO)ACYL DERIVATIVES OF VANCOMYCIN AND EREMOMYCIN - I. SYNTHESIS OF N'-(ALPHA-AMINOACYL)- AND N'-ALPHA-(N-ALPHA-ALKYLAMINO)ACYL DERIVATIVES OF VANCOMYCIN AND EREMOMYCIN BY SELECTIVE AMINOACYLATION OF

JOURNAL OF ANTIBIOTICS 60(4), 235-244 (2007)

**68. TEVYASHOVA, AN; OLSUFYEVA, EN; PREOBRAZHENSKAYA, MN; KLYOSOV, AA; ZOMER, E; PLATT, D.**

NEW CONJUGATES OF ANTITUMOR ANTIBIOTIC DOXORUBICIN WITH WATER-SOLUBLE GALACTOMANNAN: SYNTHESIS AND BIOLOGICAL ACTIVITY

RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY 33(1), 139-145 (2007)

**69. SHCHEKOTIKHIN, AE; LUZIKOV, YN; BUYANOV, VN; PREOBRAZHENSKAYA, MN.**

HETEROCYCLIC ANALOGS OF 5,12-NAPHTHACENEQUINONE. 5. SYNTHESIS OF 2,3-DIAMINO-1,4-DIMETHOXYANTHRACENE-9,10-DIONE AND ITS HETEROCYCLIC DERIVATIVES

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (1), 96-102 (2007)

**70. SHCHEKOTIKHIN, AE; DEZHENKOVA, LG; SUSOVA, OY; GLAZUNOVA, VA; SHTIL, AA; PREOBRAZHENSKAYA, MN.**

NAPHTHO[2,3-F]INDOLE-5,10-DIONE DERIVED ANALOGUES OF TRYPTAMINE, A NEW TYPE OF CYTOTOXIC TOPO I INHIBITORS

ANNALS OF ONCOLOGY 18, 35-35 (2007)

**71. BYKOV, EE; LAKATOSH, SA; PREOBRAZHENSKAYA, MN.**

QUANTUM CHEMICAL STUDY OF THE TRANSFORMATION OF 2-(N-ALKYLAMINO)-3-(INDOL-1-YL)-AND 2-(N-ALKYLAMINO)-3-(INDOL-3-YL)MALEIMIDES BY PROTIC

ACIDS: TANDEM HYDRIDE TRANSFER/CYCLIZATION MECHANISM  
RUSSIAN CHEMICAL BULLETIN 55(12), 2149-2153 (2006)

**72. BALZARINI, J; KEYAERTS, E; VIJGEN, L; EGBERINK, H; DE CLERCQ, E; VAN RANST, M; PRINTSEVSKAYA, SS; OLSUFYEVA, EN; SOLOVIEVA, SE; PREOBRAZHENS KAYA, MN.**

INHIBITION OF FELINE (FIPV) AND HUMAN (SARS) CORONAVIRUS BY SEMISYNTHETIC DERIVATIVES OF GLYCOPEPTIDE ANTIBIOTICS  
ANTIVIRAL RESEARCH 72(1), 20-33 (2006)

**73. SHCHEKOTIKHIN, AE; LUZIKOV, UN; BUYANOV, VN; PREOBRAZHENS KAYA, MN.**

HETEROCYCLIC ANALOGUES OF 5,12-NAPHTHACENEQUINONE. 4. SYNTHESIS OF 4,11-DIMETHOXYANTHRA[2,3-D]ISOXAZOLE-5,10-DIONE  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (9), 1421-1427 (2006)

**74. PREOBRAZHENS KAYA, MN; OLSUFYEVA, EN.**

POLYCYCLIC PEPTIDE AND GLYCOPEPTIDE ANTIBIOTICS AND THEIR DERIVATIVES AS INHIBITORS OF HIV ENTRY  
ANTIVIRAL RESEARCH 71(2-3), 227-236 (2006)

**75. SHCHEKOTIKHIN, AE; GLAZUNOVA, VA; LUZIKOV, YN; BUYANOV, VN; SUSOVA, OY; SHTIL, AA; PREOBRAZHENS KAYA, MN.**

SYNTHESIS AND STRUCTURE-ACTIVITY RELATIONSHIP STUDIES OF 4,11-DIAMINONAPHTHO[2,3-F]INDOLE-5,10-DIONES  
BIOORGANIC & MEDICINAL CHEMISTRY 14(15), 5241-5251 (2006)

**76. OLSUF'EVA, EN; PREOBRAZHENS KAYA, MN.**

STRUCTURE-ACTIVITY RELATIONSHIPS IN A SERIES OF SEMISYNTHETIC POLYCYCLIC GLYCOPEPTIDE ANTIBIOTICS  
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY 32(4), 303-322 (2006)

**77. SHCHEKOTIKHIN, AE; LUSIKOV, UN; BUYANOV, VN; PREOBRAZHENS KAYA, MN.**

HETEROCYCLIC ANALOGS OF 5,12-NAPHTHACENEQUINONE. 3. SYNTHESIS OF 4,11-DIAMINONAPHTHO[2,3-F]INDOLE-5,10-DIONE AND SOME ITS DERIVATIVES  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (6), 854-861 (2006)

**78. SHCHEKOTIKHIN, AE; LUSIKOV, UN; ANISIMOVA, OS; BUYANOV, VN; PREOBRAZHENS KAYA, MN.**

HETEROCYCLIC ANALOGUES OF 5,12-NAPHTHACENEQUINONE. 2. SYNTHESIS OF 4,11-DIHYDROXYNAPHTHO[2,3-F]INDAZOLE-5,10-DIONE AND ITS N-METHYL DERIVATIVES  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (5), 691-696 (2006)

**79. BYKOV, EE; LAKATOSH, SA; PREOBRAZHENS KAYA, MN.**

TRANSFORMATIONS OF 3,4-BISINDOLYLMALEIMIDES WITH DIFFERENTLY BONDED INDOLE AND MALEIMIDE MOIETIES UNDER THE ACTION OF PROTIC ACIDS: A QUANTUM CHEMICAL STUDY  
RUSSIAN CHEMICAL BULLETIN 55(5), 781-787 (2006)

**80. KIM, SJ; CEGELSKI, L; PREOBRAZHENS KAYA, M; SCHAEFER, J.**

STRUCTURES OF STAPHYLOCOCCUS AUREUS CELL-WALL COMPLEXES WITH VANCOMYCIN, EREMOMYCIN, AND CHLOROEREMOMYCIN DERIVATIVES BY C-13{F-19} AND N-15{F-19} ROTATIONAL-ECHO DOUBLE RESONANCE  
BIOCHEMISTRY 45(16), 5235-5250 (2006)

**81. KLYOSOV, AA; TEVYASHOVA, AN; OLSUFYEVA, EN; PREOBRAZHENS KAYA, MN; ZOMER, E; PLATT, D.**

SYNTHESIS AND BIOLOGICAL ACTIVITY OF DOXO-GALACTOSE AND DOXO-

GALACTOMANNAN, NEW CONJUGATES OF DOXORUBICIN WITH D-GALACTOSE AND 1,4,BETA-D-GALACTOMANNAN  
CARBOHYDRATE DRUG DESIGN 932, 105-130 (2006)

**82. BYKOV, EE; LAVRENOV, SN; PREOBRAZHENSKAYA, MN.**

QUANTUMCHEMICAL INVESTIGATION OF PK(A) DEPENDENCE ON THE CALCULATED DEPROTONATION ENERGY OF SOME INDOLE AND PHENOL DERIVATIVES

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (1), 47-50 (2006)

**83. LAKATOSH, S.A.; SIMONOV, A. YU.; LUZIKOV, YU. N.; PREOBRAZHENSKAYA, M.N..**

INTRODUCTION OF PHARMACOPHORE GROUPS INTO BIS(INDOL-1-YL)MALEIMIDES AND 6H-PYRROLO[3,4:2,3][1,4]DIAZEPINO[6,7,1-HI]INDOLE-8,10(7H,9H)-DIONES  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 40(8), 29-34 (2006)

**84. OLSUF'EVA, E N; PREOBRAZHENSKAIA, M N.**

[STRUCTURE-ACTIVITY RELATIONSHIPS IN A SERIES OF SEMISYNTHETIC POLYCYCLIC GLYCOPEPTIDE ANTIBIOTICS].

BIOORGANICHESKAIA KHIMIYA 32(4), - (2006)

**85. PEREVERZEVA, E R; MIRCHINK, E P; ISAKOVA, E B; BUKHMAN, V M; PREOBRAZHENSKAIA, M N.**

[FORTIFICATION OF ANTIMICROBIAL BARRIER OF THE SMALL INTESTINE IN NEWBORN MICE AFTER ORAL ADMINISTRATION OF ASCORBIGEN].

ANTIBIOTIKI I KHIMIOTERAPIYA = ANTIBIOTICS AND CHEMOTERAPY [SIC] 51(2), - (2006)

**86. OLSUF'EVA, E.N.; PREOBRAZHENSKAYA, M.N..**

STRUCTURE-ACTIVITY RELATIONSHIPS IN A SERIES OF SEMISYNTHETIC POLYCYCLIC GLYCOPEPTIDE ANTIBIOTICS

RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY 32(4), 339-359 (2006)

**87. LAKATOSH, SA; LUZIKOV, YN; PREOBRAZHENSKAYA, MN.**

SYNTHESIS OF 4-SUBSTITUTED 3-(INDOL-3-YL)MALEIMIDES AND AZEPINES WITH ANNELATED INDOLE AND MALEIMIDE NUCLEI

TETRAHEDRON 61(34), 8241-8248 (2005)

**88. MAFFIOLI, SI; CIABATTI, R; ROMANO, G; MARZORATI, E; PREOBRAZHENSKAYA, M; PAVLOV, A.**

SYNTHESIS AND ANTIBACTERIAL ACTIVITY OF ALKYL DERIVATIVES OF THE GLYCOPEPTIDE ANTIBIOTIC A40926 AND THEIR AMIDES

BIOORGANIC & MEDICINAL CHEMISTRY LETTERS 15(16), 3801-3805 (2005)

**89. LAVRENOV, SN; TURCHIN, KF; KOROLEV, AM; ANISIMOVA, OS; PREOBRAZHENSKAYA, MN.**

NEW PYRANO[3,4-B]INDOLES FROM 2-HYDROXYMETHYLINDOLE AND L-DEHYDROASCORBIC ACID

TETRAHEDRON 61(27), 6610-6613 (2005)

**90. SHCHEKOTIKHIN, AE; MAKAROV, IG; BUYANOV, VN; PREOBRAZHENSKAYA, MN.**

HETEROCYCLIC ANALOGS OF 5,12-NAPHTHACENEQUINONE. 1. SYNTHESIS OF HETEROCYCLIC ANALOGS ON THE BASIS OF 2,3-DIAMINOQUINIZARIN

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (7), 1081-1088 (2005)

**91. PRINTSEVSKAYA, SS; SOLOVIEVA, SE; OLSUFYEVA, EN; MIRCHINK, EP; ISAKOVA, EB; DE CLERCQ, E; BALZARINI, J; PREOBRAZHENSKAYA, MN.**

STRUCTURE-ACTIVITY RELATIONSHIP STUDIES OF A SERIES OF ANTIVIRAL AND ANTIBACTERIAL AGLYCON DERIVATIVES OF THE GLYCOPEPTIDE ANTIBIOTICS

VANCOMYCIN, EREMOMYCIN, AND DECHLOROEREMOMYCIN  
JOURNAL OF MEDICINAL CHEMISTRY 48(11), 3885-3890 (2005)

**92. SHCHEKOTIKHIN, AE; SHTIL, AA; LUZIKOV, YN; BOBRY SHEVA, TV; BUYANOV, VN; PREOBRAZHENSKAYA, MN.**

3-AMINOMETHYL DERIVATIVES OF 4,11-DIHYDROXYNAPHTHO[2,3-F]INDOLE-5,10-DIONE FOR CIRCUMVENTION OF ANTICANCER DRUG RESISTANCE  
BIOORGANIC & MEDICINAL CHEMISTRY 13(6), 2285-2291 (2005)

**93. LAKATOSH, SA; LUZIKOV, YN; PREOBRAZHENSKAYA, MN.**

DIAZEPINES[1,4] ANNELATED WITH INDOLINE AND MALEIMIDE FROM 3-(DI)ALKYLAMINO-4-(INDOL-1-YL)MALEIMIDES: MECHANISM OF REARRANGEMENT AND CYCLIZATION  
TETRAHEDRON 61(8), 2017-2020 (2005)

**94. SHCHEKOTIKHIN, AE; PREOBRAZHENSKAYA, MN; SHTIL, A.**

NEW ANALOGS OF ANTHRACYCLINES TO COMBAT DRUG RESISTANCE IN TUMOR CELLS  
ANNALS OF ONCOLOGY 16, 33-33 (2005)

**95. LAVRENOV, S.N.; PREOBRAZHENSKAYA, M.N..**

L-ASCORBIC ACID: PROPERTIES AND WAYS OF MODIFICATION (A REVIEW)  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 39(5), 26-39 (2005)

**96. PEREVERZEVA, E; MIRCHINK, E; ISAKOVA, E; PREOBRAZHENSKAYA, M; BUKHMAN, V.**

ASCORBIGEN ACCELERATES SMALL INTESTINE ANTI-INFECTIVE BARRIER FUNCTION IN SUCKLING MICE  
INTERNATIONAL JOURNAL OF ANTIMICROBIAL AGENTS 24, S233-S234 (2004)

**97. OLSUF'YEVA, EN; PREOBRAZHENSKAYA, MN.**

ANTIBIOTICS OBTAINED IN G. F. GAUZE INSTITUTE OF NEW ANTIBIOTICS OF THE RUSSIAN ACADEMY OF MEDICAL SCIENCES (TO THE 50-TH ANNIVERSARY OF THE INSTITUTE) (REVIEW)  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (11), 1603-1618 (2004)

**98. SHCHEKOTIKHIN, AE; BUYANOV, VN; PREOBRAZHENSKAYA, MN.**

SYNTHESIS OF 1-(OMEGA-AMINOALKYL)NAPHTHOINDOLEDIONES WITH ANTIPROLIFERATIVE PROPERTIES  
BIOORGANIC & MEDICINAL CHEMISTRY 12(14), 3923-3930 (2004)

**99. PREOBRAZHENSKAYA, MN; SHCHEKOTIKHIN, AE; SHTIL, AA; HUANG, H..**

ANTITUMOR ANTHRAQUINONE ANALOGUES FOR MULTIDRUG RESISTANT TUMOR CELLS  
J MED SCI. 26, 1 (2006)

**100. BALZARINI, J; KEYAERTS, E; VIJGEN, L; DE CLERCQ, E; PRINTSEVSKAYA, SS; PREOBRAZHENSKAYA, M; VAN RANST, M.**

INHIBITORY ACTIVITY OF VANCOMYCIN, EREMOMYCIN AND TEICOPLANIN AGLYCON DERIVATIVES AGAINST FELINE AND HUMAN (I.E. SARS) CORONAVIRUSES  
ANTIVIRAL RESEARCH 62(2), A59-A59 (2004)

**101. TEVYASHOVA, AN; SHTIL, AA; OLSUFYEVA, EN; SIMONOVA, VS; SAMUSENKO, AV; PREOBRAZHENSKAYA, MN.**

CARMINOMYCIN, 14-HYDROXYCARMINOMYCIN AND ITS NOVEL CARBOHYDRATE DERIVATIVES POTENTLY KILL HUMAN TUMOR CELLS AND THEIR MULTIDRUG RESISTANT VARIANTS  
JOURNAL OF ANTIBIOTICS 57(2), 143-150 (2004)

**102. PREOBRAZHENSKAYA, M.N.; TEVYASHOVA, A.N.; OLSUFYEVA, E.N.; HUANG,**

**K.; HUANG, H..**

SECOND GENERATION DRUGS-DERIVATIVES OF NATURAL ANTITUMOR ANTHRACYCLINE ANTIBIOTICS DAUNORUBICIN, DOXORUBICIN AND CARMINOMYCIN

J. MED. SCI. 26, 119 (2006)

**103. PREOBRAZHENSKAYA, MN; OLSUFYEVA, EN.**

PATENTS ON GLYCOPEPTIDES OF THE VANCOMYCIN FAMILY AND THEIR DERIVATIVES AS ANTIMICROBIALS: JANUARY 1999-JUNE 2003

EXPERT OPINION ON THERAPEUTIC PATENTS 14(2), 141-173 (2004)

**104. SEVERINA, IS; PYATAKOVA, NV; POSTNIKOV, AB; PREOBRAZHENSKAYA, MN; KHROPOV, YV.**

ANTITUMOR ANTIBIOTIC STREPTONIGRIN AND ITS DERIVATIVES AS INHIBITORS OF NITRIC OXIDE-DEPENDENT ACTIVATION OF SOLUBLE GUANYLYL CYCLASE

EUROPEAN JOURNAL OF PHARMACOLOGY 483(2-3), 127-132 (2004)

**105. LAVRENOV, SN; SOLOVYEVA, NP; REZNIKOVA, MI; ANISIMOVA, OS; PREOBRAZHENSKAYA, MN.**

THE INTERACTION OF PER-O-ACETYLATED ACYCLIC 1-(1-BUTYLINDOL-3-YL)-1-DEOXY-KETOSES WITH Silylated URACIL

NUCLEOSIDES NUCLEOTIDES & NUCLEIC ACIDS 23(1-2), 281-289 (2004)

**106. GAUSE, GG; PREOBRAZHENSKAYA, MN.**

OBITUARY - YURI V. DUDNIK 1938-2003

JOURNAL OF ANTIBIOTICS 56(12), 1067-1068 (2003)

**107. PEREVODCHIKOVA, NI; GORBACHEVA, LB; PREOBRAZHENSKAYA, MN.**

ARANOZA. TREATMENT OF MELANOMA, NITROSOUREA

DRUGS OF THE FUTURE 28(10), 941-949 (2003)

**108. OLSUFYEVA, EN; TEVYASHOVA, AN; TRESTCHALIN, ID;**

**PREOBRAZHENSKAYA, MN; PLATT, D; KLYOSOV, A.**

SYNTHESIS AND ANTITUMOR ACTIVITY OF NEW D-GALACTOSE-CONTAINING DERIVATIVES OF DOXORUBICIN

CARBOHYDRATE RESEARCH 338(13), 1359-1367 (2003)

**109. BALZARINI, J; PANNECOUQUE, C; DE CLEREQ, E; PAVLOV, AY;**

**PRINTSEVSKAYA, SS; MIROSHNIKOVA, OV; REZNIKOVA, MI;**

**PREOBRAZHENSKAYA, MN.**

ANTIRETROVIRAL ACTIVITY OF SEMISYNTHETIC DERIVATIVES OF GLYCOPEPTIDE ANTIBIOTICS

JOURNAL OF MEDICINAL CHEMISTRY 46(13), 2755-2764 (2003)

**110. PEARLSTEIN, RA; VAZ, RJ; KANG, JS; CHEN, XL; PREOBRAZHENSKAYA, M;**

**SHCHEKOTIKHIN, AE; KOROLEV, AM; LYSENKOVA, LN; MIROSHNIKOVA, OV;**

**HENDRIX, J; RAMPE, D.**

CHARACTERIZATION OF HERG POTASSIUM CHANNEL INHIBITION USING COMSIA 3D QSAR AND HOMOLOGY MODELING APPROACHES

BIOORGANIC & MEDICINAL CHEMISTRY LETTERS 13(10), 1829-1835 (2003)

**111. PRINTSEVSKAYA, SS; PAVLOV, AY; OLSUFYEVA, EN; MIRCHINK, EP;**

**PREOBRAZHENSKAYA, MN.**

ROLE OF THE GLYCOPEPTIDE FRAMEWORK IN THE ANTIBACTERIAL ACTIVITY OF HYDROPHOBIC DERIVATIVES OF GLYCOPEPTIDE ANTIBIOTICS

JOURNAL OF MEDICINAL CHEMISTRY 46(7), 1204-1209 (2003)

**112. LAKATOSH, SA; LUZIKOV, YN; PREOBRAZHENSKAYA, MN.**

SYNTHESIS OF 6H-PYRROLO[3',4':2,3][1,4]DIAZEPINO[6,7,1-HI]INDOLE-8,10(7H,9H)-DIONES USING 3-BROMO-4-(INDOL-1-YL)MALEIMIDE SCAFFOLD

ORGANIC & BIOMOLECULAR CHEMISTRY 1(5), 826-833 (2003)

**113. KOROLEV, AM; SHCHEKOTIKHIN, AE; LYSENKOVA, LN; PREOBRAZHENSKAYA, MN.**

SYNTHESIS OF (INDOL-3-YL)METHANESULFONAMIDE AND ITS 5-METHOXY DERIVATIVE

SYNTHESIS-STUTTGART (3), 383-388 (2003)

**114. BALZARINI, J; PANNECOUQUE, C; HATSE, S; SCHOLS, D; DE CLERCQ, E; PAVLOV, Y; PRINTSEVSKAYA, SS; PREOBRAZHENSKAYA, M.**

GLYCOPEPTIDE ANTIBIOTIC DERIVATIVES SELECTIVELY INHIBIT HUMAN IMMUNODEFICIENCY VIRUS REPLICATION IN CELL CULTURE

ANTIVIRAL RESEARCH 57(3), A46-A46 (2003)

**115. LAVRENOV, SN; KOROLEV, AM; REZNIKOVA, MI; SOSNOV, AV; PREOBRAZHENSKAYA, MN.**

STUDY OF 1-DEOXY-1-(INDOL-3-YL)-L-SORBOSE, 1-DEOXY-1-(INDOL-3-YL)-L-TAGATOSE, AND THEIR ANALOGS

CARBOHYDRATE RESEARCH 338(2), 143-152 (2003)

**116. YUDINA, LN; LAZHKO, EI; KOROLEV, AM; PREOBRAZHENSKAYA, MN.**

ALKYLATION OF 6-(3-INDOLYL)INDOLO[2,3-B]CARBAZOLE

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (10), 1364-1368 (2002)

**117. LAKATOSH, SA; BALZARINI, J; ANDREI, G; SNOECK, R; DE CLERCQ, E; PREOBRAZHENSKAYA, MN.**

SYNTHESIS, AND CYTOTOXIC ACTIVITY OF N-IND-ALKOXY DERIVATIVES OF ANTIBIOTIC ARCYRIARUBIN AND DECHLORO-REBECCAMYCIN AGLYCON

JOURNAL OF ANTIBIOTICS 55(8), 768-773 (2002)

**118. PREOBRAZHENSKAYA, MN; LAVRENOV, SN; KOROLEV, AM.**

SYNTHESIS OF 1-N-(BETA-D-GLUCOPYRANOSYL)- AND 1-N-(1-DEOXY-2,3,4,5,6-PENTA-O-ACETYL-D-GALACTOL-1-YL)ASCORBIGENS

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (8), 1038-1042 (2002)

**119. PREOBRAZHENSKAYA, MN; DUDNIK, YV.**

DR. ANDREY Y. PAVLOV 1965-2002 - OBITUARY

JOURNAL OF ANTIBIOTICS 55(8), 775-775 (2002)

**120. PRINTSEVSKAYA, SS; PAVLOV, AY; OLSUFYEVA, EN; MIRCHINK, EP; ISAKOVA, EB; REZNIKOVA, MI; GOLDMAN, RC; BRANSTROM, AA; BAIZMAN, ER; LONGLEY, CB; SZTARICKAI, F; BATTA, G; PREOBRAZHENSKAYA, MN.**

SYNTHESIS AND MODE OF ACTION OF HYDROPHOBIC DERIVATIVES OF THE GLYCOPEPTIDE ANTIBIOTIC EREMOMYCIN AND DES-(N-METHYL-D-

LEUCYL)EREMOMYCIN AGAINST GLYCOPEPTIDE-SENSITIVE AND -RESISTANT BACTERIA

JOURNAL OF MEDICINAL CHEMISTRY 45(6), 1340-1347 (2002)

**121. LEONTIEVA, OV; PREOBRAZHENSKAYA, MN; BERNACKI, RJ.**

PARTIAL CIRCUMVENTION OF P-GLYCOPROTEIN-MEDIATED MULTIDRUG RESISTANCE BY DOXORUBICIN-14-O-HEMIADIPATE

INVESTIGATIONAL NEW DRUGS 20(1), 35-48 (2002)

**122. LAVRENOV, SN; LAKATOSH, SA; LYSENKOVA, LN; KOROLEV, AM; PREOBRAZHENSKAYA, MN.**

SYNTHESIS OF METHYL 5- AND 6-NITROINDOLE-2-CARBOXYLATES BY NITRATION OF INDOLINE-2-CARBOXYLIC ACID

SYNTHESIS-STUTTGART (3), 320-322 (2002)

**123. PRINTSEVSKAYA, SS; OLSUF'EVA, EN; LAZHKO, EI; PREOBRAZHENSKAYA, MN.**

ANTIBIOTIC N',N''-DIBENZYLEREMOMYCIN WITH A REDUCED 1,2-PEPTIDE BOND  
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY 28(1), 65-73 (2002)

**124. LYSENKOVA, LN; REZNIKOVA, MI; KOROLEV, AM; PREOBRAZHENSKAYA, MN.**

STUDY OF THE TRANSFORMATIONS OF 2-C-(INDOL-3-YL)METHYL-ALPHA-L-XYLO-  
HEX-3-ULOFURANOSONIC ACID (THE OPEN FORM OF ASCORBIGEN) IN AN ACIDIC  
MEDIUM

RUSSIAN CHEMICAL BULLETIN 50(7), 1309-1313 (2001)

**125. SZTARICKAI, F; BATTI, G; DINYA, Z; MIROSHNIKOVA, OV;  
PREOBRAZHENSKAYA, MN; HERNADI, F; KONCZ, A; BODA, Z.**

CHEMICAL MODIFICATION OF THE EREMOMYCIN ANTIBIOTIC - FORMATION OF A  
CYCLIC COVALENT DIMER

JOURNAL OF ANTIBIOTICS 54(3), 314-319 (2001)

**126. KOROLEV, AM; YUDINA, LN; ROZHKOVA, II; LYSENKOVA, LN; LAZHKO, EI;  
LUZIKOV, YN; PREOBRAZHENSKAYA, MN.**

THE FORMATION OF 2-HYDROXY-4-HYDROXYMETHYL-3-(INDOL-3-YL)-CYCLOPENT-  
2-ENONE DERIVATIVES FROM ASCORBIGENS

CARBOHYDRATE RESEARCH 330(4), 469-477 (2001)

**127. LAVRENOV, SN; KOROLEV, AM; PREOBRAZHENSKAYA, MN.**

O-GLYCOSIDES OF N-HYDROXYINDOLES

NUCLEOSIDES NUCLEOTIDES & NUCLEIC ACIDS 20(10-11), 1881-1889 (2001)

**128. REZNIKOVA, MI; KOROLEV, AM; BODYAGIN, DA; PREOBRAZHENSKAYA, MN.**

TRANSFORMATIONS OF ASCORBIGEN IN VIVO INTO ASCORBIGEN ACID AND 1-  
DEOXY-1-(INDOL-3-YL)KETOSSES

FOOD CHEMISTRY 71(4), 469-474 (2000)

**129. YUDINA, LN; PREOBRAZHENSKAYA, MN; KOROLEV, AM.**

TRANSFORMATION OF 5H,11H-INDOLO[3,2-B]CARBAZOLE VIA 5,11-  
DIDEHYDROINDOLO[3,2-B]CARBAZOLE

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (9), 1275-1277 (2000)

**130. MIRGORODSKAYA, OA; OLSUFYEVA, EN; KOLUPEVA, DE; JOERGENSEN, TJD;  
ROEPSTORFF, P; PAVLOV, AY; MIROSHNIKOVA, OV; PREOBRAZHENSKAYA, MN.**

THE DIMERIZATION OF SEMISYNTHETIC EREMOMYCIN DERIVATIVES STUDIED BY  
THE ELECTROSPRAY IONIZATION MASS SPECTROMETRY AND ITS EFFECT ON THEIR  
ANTIBACTERIAL ACTIVITY

BIOORGANICHESKAYA KHIMIYA 26(8), 631-640 (2000)

**131. MIROSHNIKOVA, OV; PRINTSEVSKAYA, SS; OLSUFYEVA, EN; PAVLOV, AY;  
NILIUS, A; HENSEY-RUDLOFF, D; PREOBRAZHENSKAYA, MN.**

STRUCTURE-ACTIVITY RELATIONSHIPS IN THE SERIES OF EREMOMYCIN  
CARBOXAMIDES

JOURNAL OF ANTIBIOTICS 53(3), 286-293 (2000)

**132. YUDINA, LN; KOROLEV, AM; REZNIKOVA, MI; PREOBRAZHENSKAYA, MN.**

INVESTIGATION OF NEOASCORBIGEN

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (2), 178-186 (2000)

**133. PREOBRAZHENSKAYA, MN; KOROLEV, AM.**

INDOLE DERIVATIVES IN VEGETABLES OF THE CRUCIFERAE FAMILY

BIOORGANICHESKAYA KHIMIYA 26(2), 97-111 (2000)

**134. PREOBRAZHENSKAYA, MN; KOROLEV, AM; ROZHKOVA, II; YUDINA, LN;  
LAZHKO, EI; AIELLO, E; ALMERICO, AM; MINGOIA, F.**

FROM ASCORBIGENS TO INDOLOCARBAZOLES

FARMACO 54(5), 265-274 (1999)

- 135. KOROLEV, AM; YUDINA, LN; LAZHKO, EI; REZNIKOVA, MI; PREOBRAZHENSKAYA, MN.**  
TRANSFORMATIONS OF 3-FORMYLINDOLES UNDER THE ACTION OF ACIDS  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (5), 631-639 (1999)
- 136. OLSUFYEVA, EN; BERDNIKOVA, TF; MIROSHNIKOVA, OV; REZNIKOVA, MI; PREOBRAZHENSKAYA, MN.**  
CHEMICAL MODIFICATION OF ANTIBIOTIC EREMOMYCIN AT THE ASPARAGINE SIDE CHAIN  
JOURNAL OF ANTIBIOTICS 52(3), 319-324 (1999)
- 137. PREOBRAZHENSKAYA, MN; ROZHKOVA, II; LAZHKO, EI; YUDINA, LN; KOROLEV, AM.**  
REACTION OF VANILMANDELIC ACID AND 4-HYDROXYBENZYL ALCOHOL DERIVATIVES WITH L-ASCORBIC ACID (VOL 53, PG 6971, 1997)  
TETRAHEDRON 55(5), 1517-1517 (1999)
- 138. PREOBRAZHENSKAYA, MN; MIROSHNIKOVA, OV; PAVLOV, AY; OLSUFYEVA, EN.**  
ANTIBACTERIAL GLYCOPEPTIDE ANTIBIOTICS  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (12), 1605-1631 (1998)
- 139. PAVLOV, AY; PREOBRAZHENSKAYA, MN.**  
CHEMICAL MODIFICATION OF GLYCOPEPTIDE ANTIBIOTICS  
BIOORGANICHESKAYA KHIMIYA 24(9), 644-662 (1998)
- 140. PAVLOV, AY; PREOBRAZHENSKAYA, MN; MALABARBA, A; CIABATTI, R.**  
SYNTHESIS AND ANTIBACTERIAL ACTIVITY OF DERIVATIVES OF THE GLYCOPEPTIDE ANTIBIOTIC A-40926 N-ALKYLATED AT THE AMINOGLUCURONYL MOIETY  
JOURNAL OF ANTIBIOTICS 51(5), 525-527 (1998)
- 141. PAVLOV, AY; PREOBRAZHENSKAYA, MN; MALABARBA, A; CIABATTI, R; COLOMBO, L.**  
MONO AND DOUBLE MODIFIED TEICOPLANIN AGLYCON DERIVATIVES ON THE AMINO ACID NO. 7; STRUCTURE-ACTIVITY RELATIONSHIP  
JOURNAL OF ANTIBIOTICS 51(1), 73-78 (1998)
- 142. PREOBRAZHENSKAYA, MN; ROZHKOVA, II; LAZHKO, EI; KOROLEV, AM.**  
INTERACTION OF L-ASCORBIC ACID WITH DL-N-METHYL-BETA-HYDROXYTRYPTAMINE  
TETRAHEDRON LETTERS 39(1-2), 109-112 (1998)
- 143. PAVLOV, AY; LAZHKO, EI; PREOBRAZHENSKAYA, MN.**  
A NEW TYPE OF CHEMICAL MODIFICATION OF GLYCOPEPTIDES ANTIBIOTICS: AMINOMETHYLATED DERIVATIVES OF EREMOMYCIN AND THEIR ANTIBACTERIAL ACTIVITY  
JOURNAL OF ANTIBIOTICS 50(6), 509-513 (1997)
- 144. PREOBRAZHENSKAYA, MN; ROZHKOVA, II; LAZHKO, EI; YUDINA, LN; KOROLEV, AM.**  
REACTION OF VANILMANDELIC ACID AND 4-HYDROXYBENZYL ALCOHOL DERIVATIVES WITH L-ASCORBIC ACID  
TETRAHEDRON 53(20), 6971-6976 (1997)
- 145. PAVLOV, AY; OLSUFYEVA, EN; MIROSHNIKOVA, OV; REZNIKOVA, MI; LAZHKO, EI; MALABARBA, A; CIABATTI, R; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS AND ANTIBACTERIAL ACTIVITY OF NONNATURAL AGLYCONES OF GLYCOPEPTIDE ANTIBIOTICS OF THE VANCOMYCIN GROUP  
BIOORGANICHESKAYA KHIMIYA 23(5), 410-421 (1997)



**146. MALABARBA, A; CIABATTI, R; GERLI, E; RIPAMONTI, F; FERRARI, P; COLOMBO, L; OLSUFYEVA, EN; PAVLOV, AY; REZNIKOVA, MI; LAZHKO, EI; PREOBRAZHENSKAYA, MN.**

SUBSTITUTION OF AMINO ACIDS 1 AND 3 IN TEICOPLANIN AGLYCON: SYNTHESIS AND ANTIBACTERIAL ACTIVITY OF THREE FIRST NON-NATURAL DALBAHEPTIDES  
JOURNAL OF ANTIBIOTICS 50(1), 70-81 (1997)

**147. OLSUFYEVA, EN; BRUSENTOV, NA; TODOROVA, N; BALZARINI, J; DECLERCQ, E; PREOBRAZHENSKAYA, MN.**

DAUNORUBICIN DERIVATIVES OBTAINED FROM DAUNORUBICIN AND NUCLEOSIDE DIALDEHYDES  
NUCLEOSIDES & NUCLEOTIDES 16(1-2), 87-95 (1997)

**148. MIROSHNIKOVA, OV; BERDNIKOVA, TF; OLSUFYEVA, EN; PAVLOV, AY; REZNIKOVA, MI; PREOBRAZHENSKAYA, MN; CIABATTI, R; MALABARBA, A; COLOMBO, L.**

A MODIFICATION OF THE N-TERMINAL AMINO ACID IN THE EREMOMYCIN AGLYCON  
JOURNAL OF ANTIBIOTICS 49(11), 1157-1161 (1996)

**149. PREOBRAZHENSKAYA, MN; LAZHKO, EI; KOROLEV, AM.**  
REACTION OF (INDOL-3-YL)ETHANEDIOL WITH L-ASCORBIC ACID  
TETRAHEDRON-ASYMMETRY 7(3), 641-644 (1996)

**150. BRUSENTOV, NA; PREOBRAZHENSKAYA, MN.**  
PERIODATE FORMS OF THE STRONGLY BASIC ANION EXCHANGERS AS THE REAGENTS FOR THE SELECTIVE OXIDATION OF RIBOFURANOSIDES  
BIOORGANICHESKAYA KHIMIYA 22(3), 215-218 (1996)

**151. PAVLOV, AY; BERDNIKOVA, TF; OLSUFYEVA, EN; MIROSHNIKOVA, OV; FILIPPOSYANZ, ST; PREOBRAZHENSKAYA, MN; SOTANNI, C; COLOMBO, L; GOLDSTEIN, BP.**

CARBOXAMIDES AND HYDRAZIDE OF GLYCOPEPTIDE ANTIBIOTIC EREMOMYCIN  
SYNTHESIS AND ANTIBACTERIAL ACTIVITY  
JOURNAL OF ANTIBIOTICS 49(2), 194-198 (1996)

**152. PREOBRAZHENSKAYA, MN; LAZHKO, EI; KOROLEV, AM; REZNIKOVA, MI; ROZHKOV, II.**

TRANSFORMATION OF ASCORBIGEN INTO 1-DEOXY-1-(INDOL-3-YL)-ALPHA-L-SORBOPYRANOSE AND 1-DEOXY-1-(INDOL-3-YL)-ALPHA-L-TAGATOPYRANOSE  
TETRAHEDRON-ASYMMETRY 7(2), 461-466 (1996)

**153. POVAROV, LS; LEONTEVA, OV; BERNACKI, RJ; OLSUFEVA, EN; SALIMOVA, EI; PERA, P; PREOBRAZHENSKAYA, MN.**

14-ESTERS AND L3-HYDRAZONES OF ANTHRACYCLINE ANTIBIOTICS OF THE DAUNORUBICIN SERIES: SYNTHESIS AND CYTOSTATIC ACTIVITY TOWARD TUMOR CELLS SENSITIVE OR RESISTANT TO DOXORUBICIN  
BIOORGANICHESKAYA KHIMIYA 21(12), 925-932 (1995)

**154. PREOBRAZHENSKAYA, MN; WANG, SZ; LAZHKO, EI; KOROLEV, AM; POVAROV, LS.**

INTERACTION OF ANTHRACYCLINE ANTIBIOTICS WITH N,O-BIS(TRIMETHYLSILYL)TRIFLUOROACETAMIDE  
BIOORGANICHESKAYA KHIMIYA 21(11), 890-893 (1995)

**155. POVAROV, LS; VLASENKOVA, LI; LAZHKO, EI; ANISIMOVA, OS; DECLERCQ, E; BALZARINI, J; PREOBRAZHENSKAYA, MN.**

INTERACTION OF 3'-N-(N,N-DIMETHYLAMINOMETHYLENE)DAUNORUBICIN WITH PHENYLISOTHIOCYANATE OR ETHYLISOTHIOCYANATE

- BIOORGANICHESKAYA KHIMIYA 21(8), 636-640 (1995)
- 156. BRUSENTOV, N. A.; DOBRYNIN, YA. V.; NIKOLAEVA, T. G.; SERGEEVA, E. V.; YURCHENKO, N. YA.; PREOBRAZHENSKAYA, M. N.**  
SYNTHESIS AND STUDY OF CYTOTOXIC AND ANTITUMOR ACTIVITY OF NUCLEOSIDE-DIALDEHYDES
- 157. KHIMIKO-FARMATSEVTICHESKII ZHURNAL 29(5), 22 (1995)**  
**LEONTIEVA, O. V.; POVAROV, L. S.; PREOBRAZHENSKAYA, M. N.; BERNACKI, R. J.**  
NOVEL 14-O-HEMIESTERS OF ANTHRACYCLINE ANTIBIOTICS CIRCUMVENT MULTIDRUG RESISTANCE (MDR) CONNECTED WITH P-GLYCOPROTEIN (PGP) PROCEEDINGS OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH ANNUAL MEETING 36(0), 392 (1995)
- 158. PAVLOV, A. YU.; BERDNIKOVA, T. F.; OLSUF'EVA, E. N.; ORLOVA, G. I.; PREOBRAZHENSKAYA, M. N.**  
REDUCING ALKYLATION OF THE GLYCOPEPTIDE ANTIBIOTIC EREMOMYCIN AND ITS DERIVATIVES  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 29(1), 46 (1995)
- 159. PREOBRAZHENSKAYA, MN; KOROLEV, AM; ISAEVA, NN; LAZHKO, EI; LOMIDZE, LA.**  
POLYFUNCTIONAL INDOLE-3-CARBINOL DERIVATIVES - 1-(INDOL-3-YL)GLYCEROLS AND RELATED-COMPOUNDS, BETA-HYDROXYTRYPTAMINES AND ASCORBIGENS - CHEMISTRY AND BIOLOGICAL PROPERTIES  
FARMACO 50(6), 369-377 (1995)
- 160. KOMISSARENKO, SV; PENEZINA, OP; FOMOVSKAYA, GN; TOLSTIKOV, VV; PREOBRAZHENSKAYA, MN.**  
SELECTIVE KILLING OF TUMOR-CELLS IN-VITRO BY IMMUNOTOXIN COMPOSES OF ANTITUMOR ANTIBIOTIC STREPTONIGRIN AND POLYCLONAL SPECIFIC ANTIBODIES  
INTERNATIONAL JOURNAL OF IMMUNOPHARMACOLOGY 16(12), 1053-1058 (1994)
- 161. MUKHANOV, V. I.; KAGANSKII, M. M.; SOROKIN, A. A.; ANTONYAN, S. G.; TANANOVA, G. V.; MIKHAILEVSKAYA, L. L.; KINZIRSKII, A. S.; PREOBRAZHENSKAYA, M. N.**  
NEOASCORBIGEN AND ITS ANALOGUES: SYNTHESIS AND STUDY  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 28(7), 6 (1994)
- 162. PREOBRAZHENSKAYA, M. N.; KORBUKH, I. A.; TOWNSEND, L. B.**  
THE SYNTHESIS AND REACTIONS OF PYRROLE, PYRAZOLE, THIAZOLE, INDOLE, INDAZOLE, AND BENZOTRIAZOLE NUCLEOSIDES AND NUCLEOTIDES  
CHEMISTRY OF NUCLEOSIDES AND NUCLEOTIDES 3, 1 (1994)
- 163. PAVLOV, AY; OLSUFYEVA, EN; BERDNIKOVA, TF; MALKOVA, IV; PREOBRAZHENSKAYA, MN; RISBRIDGER, GD.**  
MODIFICATION OF GLYCOPEPTIDE ANTIBIOTIC EREMOMYCIN BY THE ACTION OF ALKYL-HALIDES AND STUDY ON ANTIBACTERIAL ACTIVITY OF THE COMPOUNDS OBTAINED  
JOURNAL OF ANTIBIOTICS 47(2), 225-232 (1994)
- 164. MUSK, SRR; PREOBRAZHENSKAYA, MN; BELITSKY, GA; KOROLEV, AM; LYTCHEVA, TA; KHITROVO, IA; JOHNSON, IT.**  
THE CLASTOGENIC AND MUTAGENIC EFFECTS OF ASCORBIGEN AND 1'-METHYLASCORBIGEN  
MUTATION RESEARCH 323(1-2), 69-74 (1994)
- 165. PAVLOV, AY; BERDNIKOVA, TF; OLSUFYEVA, EN; LAZHKO, EI; MALKOVA, IV; PREOBRAZHENSKAYA, MN; TESTA, RT; PETERSEN, PJ.**

SYNTHESIS AND BIOLOGICAL-ACTIVITY OF DERIVATIVES OF GLYCOPEPTIDE ANTIBIOTICS EREMOMYCIN AND VANCOMYCIN NITROSATED, ACYLATED OR CARBAMOYLATED AT THE N-TERMINAL  
JOURNAL OF ANTIBIOTICS 46(11), 1731-1739 (1993)

**166. LAZHKO, E; KOROLEV, AM; PREOBRAZHENSKAYA, MN.**  
NMR-SPECTROSCOPIC STUDY OF PRODUCTS OF ASCORBIGEN TRANSFORMATION IN ACIDIC MEDIUM

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (3), 353-359 (1993)

**167. BEREZINA, L. K.; POSEVAYA, T. A.; BARINSKI, I. F.; KOROLEV, A. M.; ZAKHAROV, V. E.; PREOBRAZHENSKAYA, M. N..**

ANTIVIRAL ACTIVITY OF 1-METHYLASCORBIGEN IN EXPERIMENTAL ARBOVIRAL INFECTIONS

KHIMIKO-FARMATSEVTICHESKII ZHURNAL 27(1), 55 (1993)

**168. GORBACHEVA, L. B.; KUKUSHKINA, G. V.; ELKSNE, S. YA.; KALISTRATOV, A. V.; PREOBRAZHENSKAYA, M. N..**

CHEMICAL AND BIOCHEMICAL PROPERTIES OF A NEW NITROSOUREA 3-ALPHA-L-ARABINOPYRANOSYL-1-METHYL-1-NITROSOUREA (CRC-0510375)

INTERNATIONAL JOURNAL OF EXPERIMENTAL AND CLINICAL CHEMOTHERAPY 6(1), 1 (1993)

**169. PREOBRAZHENSKAYA, M. N.; PLIKHTYAK, I. L..**

2-C DERIVATIVES OF L-ASCORBIC ACID: REVIEW

KHIMIKO-FARMATSEVTICHESKII ZHURNAL 27(1), 22 (1993)

**170. EFIMOV, S; SHEVCHENKO, V; SHCHUKIN, I; PREOBRAZHENSKAYA, M.**

THE INFLUENCE OF 1'-METHYLASCORBIGEN AND 1'-ETHYLASCORBIGEN ON METABOLISM OF ARACHIDONIC-ACID IN MURINE SPLEEN-CELLS

BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS 190(3), 895-900 (1993)

**171. PREOBRAZHENSKAYA, MN; BUKHMAN, VM; KOROLEV, AM; EFIMOV, SA.**

ASCORBIGEN AND OTHER INDOLE-DERIVED COMPOUNDS FROM BRASSICA VEGETABLES AND THEIR ANALOGS AS ANTICARCINOGENIC AND IMMUNOMODULATING AGENTS

PHARMACOLOGY & THERAPEUTICS 60(2), 301-313 (1993)

**172. PREOBRAZHENSKAYA, MN; KOROLEV, AM; LAZHKO, EI; ALEKSANDROVA, LG; BERGMAN, J; LINDSTROM, JO.**

ASCORBIGEN AS A PRECURSOR OF 5,11-DIHYDROINDOLO[3,2-B]CARBAZOLE  
FOOD CHEMISTRY 48(1), 57-62 (1993)

**173. PREOBRAZHENSKAYA, MN; KOROLEV, AM.**

INDOLE-3-CARBINOL

JOURNAL OF THE NATIONAL CANCER INSTITUTE 84(15), 1210-1211 (1992)

**174. POVAROV, LS; POTAPOVA, NP; BAKINA, EV; PREOBRAZHENSKAYA, MN; ROZYNOV, BV.**

SYNTHESIS AND PROPERTIES OF 3'-N-(BETA-D-GLUCOPYRANOSYL)THIOCARBAMOYLDAUNORUBICIN

BIOORGANICHESKAYA KHIMIYA 18(8), 1117-1126 (1992)

**175. TOLSTIKOV, VV; PREOBRAZHENSKAYA, MN; BALZARINI, J; DECLERCQ, E.**

CHEMICAL MODIFICATION OF ANTIBIOTIC STREPTONIGRIN - SYNTHESIS AND PROPERTIES OF 2'-DECARBOXY-2'-AMINOSTREPTONIGRIN (STREPTONIGRONE-2'-IMINE)

JOURNAL OF ANTIBIOTICS 45(6), 1002-1004 (1992)

**176. TOLSTIKOV, VV; KOZLOVA, NVH; ORESHKINA, TD; OSIPOVA, TV;**

**PREOBRAZHENSKAYA, MN; SZTARICKAI, F; BALZARINI, J; DECLERCQ, E.**  
AMIDES OF ANTIBIOTIC STREPTONIGRIN AND AMINO DICARBOXYLIC-ACIDS OR  
AMINOSUGARS - SYNTHESIS AND BIOLOGICAL EVALUATION  
JOURNAL OF ANTIBIOTICS 45(6), 1020-1025 (1992)

**177. PREOBRAZHENSKAYA, MN; HOLPNEKOZLOVA, NV; LAZHKO, EI.**  
TRANSFORMATION OF STREPTONIGRIN INTO STREPTONIGRONE - SYNTHESIS AND  
BIOLOGICAL EVALUATION OF ANTIBIOTICS STREPTONIGRIN AND  
STREPTONIGRONE ALKYL ETHERS  
JOURNAL OF ANTIBIOTICS 45(2), 227-234 (1992)

**178. ALEKSANDROVA, LG; KOROLEV, AM; PREOBRAZHENSKAYA, MN.**  
STUDY OF NATURAL ASCORBIGEN AND RELATED-COMPOUNDS BY HPLC  
FOOD CHEMISTRY 45(1), 61-69 (1992)

**179. MALKOVA, IV; BUKHMAN, VM; VINOGRADOVA, IV; FOMINA, TV; KOROLEV,  
AM; PREOBRAZHENSKAYA, MN.**  
PROPHYLAXIS OF EXPERIMENTAL BACTERIAL-INFECTION IN MICE BY 1'-  
METHYLASCORBIGEN  
JOURNAL OF ANTIMICROBIAL CHEMOTHERAPY 28(6), 935-936 (1991)

**180. MELNIK, SY; BAKHMEDOVA, AA; YARTSEVA, IV; PREOBRAZHENSKAYA, MN;  
ZAGULYAEVA, OA; MAMAEV, VP.**  
SEARCH FOR ANTIMETABOLITES AMONG THE NUCLEOSIDES OF 5-  
TRIMETHYLSILYL URACIL AND THEIR NONGLYCOSIDE ANALOGS  
BIOORGANICHESKAYA KHIMIYA 17(11), 1526-1533 (1991)

**181. KOROLEV, AM; LAZHKO, EI; PREOBRAZHENSKAYA, MN; BALZARINI, Y;  
DECLERK, E.**  
AMIDES OF ANTHRACYCLINE ANTIBIOTICS AND N-CARBOXYMETHYLASCORBIGEN  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 25(11), 42-45 (1991)

**182. KOROLEV, AM; LAZHKO, EI; YARTSEVA, IV; PLIKHTYAK, IL;  
ALEKSANDROVA, LG; ROSYNOV, BV; PREOBRAZHENSKAYA, MN.**  
THE TRANSFORMATION OF ASCORBIGENS IN ACIDIC MEDIA - STRUCTURE OF  
ASCORBIGEN-B  
BIOORGANICHESKAYA KHIMIYA 17(7), 981-987 (1991)

**183. KUKUSHKINA, GV; ELKSNE, SY; GORBACHEVA, LB; MINIKER, TD; MELNIK,  
SY; PREOBRAZHENSKAYA, MN.**  
O(6)-METHYLGUANINE, A MODULATOR OF ANTITUMOR N-ALKYL-N-NITROSOUREA  
ACTIVITY  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 25(7), 12-14 (1991)

**184. PAVLOV, AY; OLSUFYEVA, EN; BERDNIKOVA, TF; ROZYNOV, BV;  
ALEKSANDROVA, LG; MALKOVA, IV; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS AND ANTIBACTERIAL ACTIVITY OF THE ANTIBIOTIC EREMOMYCIN  
ESTERS  
BIOORGANICHESKAYA KHIMIYA 17(6), 849-854 (1991)

**185. PLIKHTYAK, IL; YARTSEVA, IV; ALEKSANDROVA, LG; PODKHALYUZINA,  
NY; PREOBRAZHENSKAYA, MN.**  
3-HYDROXYMETHYLATION OF INDOLES AND SYNTHESIS OF ASCORBIGENS  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 25(6), 57-59 (1991)

**186. GORBACHEVA, LB; KUKUSHKINA, GV; ELKSNE, SJ; MINIKER, TD; MELNIK,  
SY; PREOBRAZHENSKAYA, MN.**  
O6-METHYLGUANINE AS A MODULATOR OF ANTITUMOR-ACTIVITY OF N-ALKYL-N-  
NITROSOUREAS INVIVO  
ANTI-CANCER DRUGS 2(2), 185-189 (1991)

**187. OLSUFYEVA, EN; BAKINOWSKY, LV; PREOBRAZHENSKAYA, MN; DECLERQ, E; BALZARINI, J.**

NOVEL ANALOGS OF ANTHRACYCLINE ANTIBIOTICS CONTAINING 2,3,6-TRIDEOXY-3-AMINO-3-C-METHYL-L-ARABINO-HEXOSE (L-EREMOSAMINE)  
BIOORGANICHESKAYA KHIMIYA 17(4), 548-555 (1991)

**188. VINOGRADOVA, KA; KIRILLOVA, NP; SOKOLOVA, ZG; YARTSEVA, IV; ROZYNOV, BV; PREOBRAZHENSKAYA, MN.**

ON STRUCTURE OF HELIOMYCIN PRODUCED BY STREPTOMYCES-HELIOMYCINI AND ANTIBIOTIC-11-98 PRODUCED BY STREPTOMYCES-OLIVOCINEREUS  
ANTIBIOTIKI I KHIMIOTERAPIYA 36(3), 28-29 (1991)

**189. PREOBRAZHENSKAYA, MN; BAKINA, EV; POVAROV, LS; LAZHKO, EI; ALEKSANDROVA, LG; BALZARINI, J; DECLERCQ, E.**

SYNTHESIS AND CYTOSTATIC PROPERTIES OF DAUNORUBICIN DERIVATIVES, CONTAINING N-PHENYLTHIOUREA OR N-ETHYLTHIOUREA MOIETIES IN THE 3-POSITION  
JOURNAL OF ANTIBIOTICS 44(2), 192-199 (1991)

**190. PREOBRAZHENSKAYA, MN; KOROLEV, AM; PLIKHTYAK, IL; YARTSEVA, IV; EFIMOV, SA; LAZHKO, EI; ALEKSANDROVA, LG.**

CHEMISTRY AND BIOLOGY OF ASCORBIGENS  
HETEROCYCLES IN BIO-ORGANIC CHEMISTRY , 68-86 (1991)

**191. TAKTAKISHVILI, MO; TSITSKISHVILI, TK; KIKOLADZE, VS; SAMSONIA, SA; PREOBRAZHENSKAYA, MN.**

SYNTHESIS OF 1-BETA-D-RIBOPYRANOSYL-6-NITROINDOLE AND RIBOFURANOSYL-6-NITROINDOLE AND INDOLINE FOR PHOSPHOTRIESTER OLIGONUCLEOTIDE SYNTHESIS  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (11), 1500-1506 (1990)

**192. KOZLOVA, N V; L'VOVA, N A; LAPCHINSKAIA, O A; DOKUCHAEVA, E B; RUBASHEVA, L M; ROZYNOV, B V; PREOBRAZHENSKAIA, M N.**

[STREPTONIGRON--A MINOR COMPONENT OF BRUNEOMYCIN COMPLEX].  
ANTIBIOTIKI I KHIMIOTERAPIIA = ANTIBIOTICS AND CHEMOTERAPY [SIC] 35(5), - (1990)

**193. POVAROV, LS; BAKINA, EV; LAZHKO, EI; ORLOVA, GI; ZHUKOVA, OS; OBIDNJAK, NA; YURCHENKO, NY; GLAZKOVA, TY; PREOBRAZHENSKAYA, MN.**

DERIVATIVES OF ANTITUMOR ANTIBIOTICS OF THE DAUNORUBICIN SERIES CONTAINING N-METHYL-N-NITROSOUREA MOIETIES  
BIOORGANICHESKAYA KHIMIYA 16(4), 559-568 (1990)

**194. TOLSTIKOV, VV; KOZLOVA, NV; YARTSEVA, IV; DOBRYNIN, YV; SINYAGINA, EA; NIKOLAYEVA, TG; FINKO, VE; ARUTYUNYAN, AA; MELIKOGADZHANYAN, RG; PREOBRAZHENSKAYA, MN.**

PREPARATION OF AMIDES AND ESTERS OF THE ANTIBIOTIC BRUNEOMYCIN AND STUDY OF THEIR CYTOTOXIC AND ANTIRETROVIRAL ACTIVITY  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 24(2), 130-132 (1990)

**195. PREOBRAZHENSKAYA, MN.**

SEARCH FOR ANTI-HIV COMPOUNDS AMONG NATURAL AND SEMISYNTHETIC ANTIBIOTICS  
BIOORGANICHESKAYA KHIMIYA 15(11), 1445-1461 (1989)

**196. OLSUFYEVA, EN; TODOROVA, NP; YARTSEVA, IV; ROZINOV, BV; SHEPELEVITZEVA, NG; PREOBRAZHENSKAYA, MN.**

DAUNORUBICIN DERIVATIVES CONTAINING INOSINE RESIDUE  
BIOORGANICHESKAYA KHIMIYA 15(11), 1569-1572 (1989)

- 197. BAKINA, EV; YARTSEVA, IV; POVAROV, LS; ALEXANDROVA, LG; TULEMYSOVA, KA; MAMONOVA, LP; PREOBRAZHENSKAYA, MN.**  
INVESTIGATION OF ANTHRACYCLINONES PRODUCED BY STREPTOMYCES-GRISEORUBER  
BIOORGANICHESKAYA KHIMIYA 15(10), 1423-1430 (1989)
- 198. PLIKHTYAK, I.L.; YARTSEVA, I.V.; KLYUEV, N.A.; PREOBRAZHENSKAYA, M.N..**  
CONVERSION OF ASCORBIGEN AND ITS DERIVATIVES TO SUBSTITUTED 1-DEOXY-1-(INDOLYL-3)-A-L-SORBOPYRANOSE  
CHEM. HETEROCYC. COMPD. 25, 504 (1989)
- 199. MINASYAN, SK; ROZOVSKAYA, TA; KUKHANOVA, MK; POVAROV, LS; OLSUFYEVA, EN; PREOBRAZHENSKAYA, MN.**  
EFFECTS OF RUBOMYCIN, CARMINOMYCIN, AND THEIR SEMI-SYNTHETIC DERIVATIVES ON INVITRO DNA-SYNTHESIS  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 23(10), 1182-1185 (1989)
- 200. PLIKHTYAK, IL; YARTSEVA, IV; KLYUEV, NA; PREOBRAZHENSKAYA, MN.**  
TRANSFORMATION OF ASCORBIGENE AND ITS DERIVATIVES INTO SUBSTITUTED 1-DESOXY-1-(INDOLINE-3)-ALPHA-L-SORBOPYRANOSSES  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (5), 607-610 (1989)
- 201. GARAEVA, LD; YARTSEVA, IV; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS AND CHEMICAL-TRANSFORMATIONS OF 1-BETA-D-ARABINOFURANOSIDES OF 3,4,6-TRISUBSTITUTED PYRAZOLO[3,4-D]PYRIMIDINES  
BIOORGANICHESKAYA KHIMIYA 15(2), 249-255 (1989)
- 202. TOLSTIKOV, VV; KOZLOVA, NV; YARTSEVA, IV; PREOBRAZHENSKAYA, MN.**  
CHIMERIC ANTIBIOTICS, DAUNORUBICIN AND ITS ANALOGS N-ACYLATED WITH BRUNEOMYCIN (STREPTONIGRIN)  
BIOORGANICHESKAYA KHIMIYA 15(2), 277-280 (1989)
- 203. BULYCHEV, YN; PREOBRAZHENSKAYA, MN.**  
ALKYLATION OF ALLOPURINOL AND INOSINE BY DIMETHYLFORMAMIDE DIMETHYLACETALS AND DIETHYLACETALS  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (11), 1526-1531 (1988)
- 204. PLIKHTIYAK, IL; YARTSEVA, IV; KHAN, ZE; PREOBRAZHENSKAYA, MN.**  
INTERACTION OF ASCORBIGENS WITH AMINES  
BIOORGANICHESKAYA KHIMIYA 14(10), 1437-1443 (1988)
- 205. EKTOVA, LV; PREOBRAZHENSKAYA, MN.**  
A NOVEL PROCEDURE FOR PREPARING PYRROLO[3,2-D]PYRIMIDINE (9-DESAZAPURINE) AND ITS 4-OXO-3,4-DIHYDRO DERIVATIVE (9-DESAZAHYPOXANTHINE)  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 22(7), 860-863 (1988)
- 206. BULYCHEV, YN; PREOBRAZHENSKAYA, MN; CHERNYSHEV, AI; ESIPOV, SE.**  
N-ALKYLATION OF SUBSTITUTED PYRAZOLES AND PYRAZOLO[3,4-D]PYRIMIDINES BY DIMETHYLFORMAMIDE DIETHYLACETAL OR ORTHOFORMIATE  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (7), 914-919 (1988)
- 207. BULYCHEV, YN; PREOBRAZHENSKAYA, MN; CHERNYSHEV, AI; ESIPOV, SE.**  
N-ALKYLATION OF 4-CHLORO-5-CYANO-1,2,3-TRIAZOLE BY ORTHOFORMIC ACID-DERIVATIVES  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (7), 920-924 (1988)
- 208. GARAYEVA, LD; KORBUKH, IA; DOBRYNIN, YV; NIKOLAYEVA, TG; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS AND CYTO-TOXIC ACTIVITY OF 4,6-DIAMINOPYRAZOLO[3,4-

DJPYRIMIDINE RIBOSIDE AND ITS 3-CARBAMOYL DERIVATIVE  
Khimiko-farmatsevticheskii zhurnal 22(7), 798-802 (1988)

**209. LOBOVA, TG; KORBUKH, IA; PREOBRAZHENSKAYA, MN; GARIN, AM.**  
ENHANCEMENT OF ANTITUMOUR ACTIVITY OF 5-FLUOROURACIL IN COMBINATION  
WITH 4-METHYLTHIOPYRAZOLO(3,4- $\alpha$ )PYRIMIDINE 1-NUCLEOSIDE  
Eksperimental'naya onkologiya 10(4), 69-71 (1988)

**210. PLIKHTYAK, IL; YARTSEVA, IV; KLYUEV, NA; PREOBRAZHENSKAYA, MN.**  
FORMATION OF 1-DESOXY-1-(INDOLYL-3)- $\alpha$ -L-SORBOPYRANOSE AND ITS N-  
ALKYL DERIVATIVES FROM ASCORBIGENE AND ITS N-ALKYLDERIVATIVES  
Khimiya geterotsiklicheskiikh soedinenii (1), 131-132 (1988)

**211. NAPALKOV, NP; MERABISHVILI, VM; TSEKOVNY, GF;  
PREOBRAZHENSKAYA, MN.**  
CANCER IN THE USSR IN 1981  
Voprosy onkologii 34(3), 277-309 (1988)

**212. SHLYANKEVICH, AM; KORBUKH, IA; TRESHCHALIN, ID; NEKRASOVA, EB;  
SYRKIN, AB; EVTUCHENKO, NS; PREOBRAZHENSKAYA, MN.**  
MEASUREMENT FOR RIBAMIDIL IN BLOOD-PLASMA  
Khimiko-farmatsevticheskii zhurnal 21(10), 1260-1261 (1987)

**213. SAILOVA, DD; STUKALOV, YV; ISMAYLOV, AI; PREOBRAZHENSKAYA, MN.**  
HYDROLYTIC STABILITY OF 5-TRIMETHYL-SILYL-2'-DEOXY- $\alpha$ -D-URIDINE  
POSSESSING ANTIVIRAL ACTIVITY  
Khimiko-farmatsevticheskii zhurnal 21(9), 1047-1051 (1987)

**214. MELNIK, SY; BAKHMEDOVA, AA; YARTSEVA, IV; KOCHETKOVA, MV;  
PREOBRAZHENSKAYA, MN; SVIRIDOV, VD; CHKANIKOV, ND; KOLOMIETS, AF;  
FOKIN, AV.**  
SYNTHESIS AND ANTIMETABOLITE PROPERTIES OF 5-SUBSTITUTED 2'-  
DEOXYURIDINES - ANOMERIC 5-(2-AMINOHEXAFLUOROPROP-2-YL)-2'-  
DEOXYURIDINE AND 5-(2-TRIFLUOROACETYLAMINOHEXAFLUOROPROP-2-YL)-2'-  
DEOXYURIDINE  
Bioorganicheskaya khimiya 13(7), 934-939 (1987)

**215. SHINGAROVA, ID; LEBEDEV, AT; PREOBRAZHENSKAYA, MN.**  
GLUCOSIDATION POSITION OF 5-SUBSTITUTED 4-CHLORO-1,2,3-TRIAZOLES  
Khimiya geterotsiklicheskiikh soedinenii (7), 937-940 (1987)

**216. BUKIN, YV; PLIKHTIAK, IL; DRAUDINKRYLENKO, VA; YARTSEVA, IV;  
ORLOVA, LM; PREOBRAZHENSKAYA, MN.**  
ASCORBIGEN AND ITS DERIVATIVES AS DEPOT-FORMS OF ASCORBIC-ACID  
Bioorganicheskaya khimiya 13(4), 539-545 (1987)

**217. SHINGAROVA, ID; YARTSEVA, IV; PREOBRAZHENSKAYA, MN.**  
NUCLEOSIDES OF 4-METHYLTHIO-1,2,3-TRIAZOLE-5-CARBOXYLIC ACID-  
DERIVATIVES  
Khimiya geterotsiklicheskiikh soedinenii (2), 231-235 (1987)

**218. TOLKACHEV, VN; GELPERINA, SE; CHKANIKOV, ND; PREOBRAZHENSKAYA,  
MN.**  
DETRITYLATION OF 5'-O-TRIPHENYLMETHYLNUCLEOSIDES WITH CUPRIC SULFATE  
- O-TRITYL AND C-TRITYL DERIVATIVES OF INDOLE NUCLEOSIDES  
Bioorganicheskaya khimiya 13(1), 82-87 (1987)

**219. NEDOREZOVA, TP; NIKOLAEVA, TG; IVANOVA, TP; SHINGAROVA, ID;  
DOBRYNIN, YV; PREOBRAZHENSKAYA, MN.**  
EFFECTS OF 4,5-DISUBSTITUTED 1,2,3-TRIAZOLES AND THEIR N<sup>2</sup>-RIBOSIDES ON  
PYRIMIDINE PRECURSORS INCORPORATION INTO NUCLEIC-ACIDS OF TUMOR-

CELLS

KHIMIKO-FARMATSEVTICHESKII ZHURNAL 20(11), 1299-1302 (1986)

**220. ZIMAKOVA, NI; KOLESNIKOVA, EY; KORBUKH, IA; PREOBRAZHENSKAYA, MN.**

INFLUENCE OF 1-BETA-D-RIBOFURANOSYL-4-METHYLTHIOPYRAZOLO(3,4-D) PYRIMIDINE ON THE BIOSYNTHESIS OF NUCLEIC-ACID IN THE CANCER-CELLS OF MAN IN CULTURE

KHIMIKO-FARMATSEVTICHESKII ZHURNAL 20(10), 1165-1168 (1986)

**221. NEDOREZOVA, TP; POTAPOVA, GI; MELNIK, SY; PREOBRAZHENSKAYA, MN.**  
STUDY OF ANTIMETABOLIC PROPERTIES OF ANOMERIC 5-SUBSTITUTED 2'-DEOXYURIDINES

KHIMIKO-FARMATSEVTICHESKII ZHURNAL 20(6), 649-655 (1986)

**222. KORBUKH, IA; GARAEVA, LD; YAKUNINA, NG; KASHUTINA, EA; PREOBRAZHENSKAYA, MN.**

SYNTHESIS OF 1-BETA-D-ARABINOFURANOSIDES OF 4-SUBSTITUTED PYRAZOLO(3,4-D)PYRIMIDINES

BIOORGANICHESKAYA KHIMIYA 12(4), 539-547 (1986)

**223. PREOBRAZHENSKAYA, MN.**

SEARCH FOR MOLECULAR TARGETS IN CANCER-CHEMOTHERAPY  
ZHURNAL VSESOYUZHNOGO KHIMICHESKOGO OBSHCHESTVA IMENI D I MENDELEEVA 31(3), 332-341 (1986)

**224. KORBUKH, IA; YAKUNINA, NG; PREOBRAZHENSKAYA, MN.**

SYNTHESIS OF 1-BETA-D-XYLOFURANOSIDES AND 1-ALPHA-D-ARABINOFURANOSIDES OF 4-SUBSTITUTED PYRAZOLO(3,4-D)PYRIMIDINES

BIOORGANICHESKAYA KHIMIYA 11(12), 1656-1660 (1985)

**225. PREOBRAZHENSKAYA, MN.**

DEVELOPMENTS IN THE RESEARCH OF NEW ANTITUMOR AGENT

CHEM HETER COMP 21, 13 (1985)

**226. LOBOVA, TG; ZHARKOV, SA; PREOBRAZHENSKAYA, MN; GARIN, AM.**  
RIBAMIDYL (RIBAVIRIN) AS A MODULATOR OF THE BIOLOGICAL EFFECT OF ARABINOSYLCYTOSINE AND METHOTREXATE

EKSPERIMENTALNAYA ONKOLOGIYA 7(3), 63-65 (1985)

**227. LOBOVA, TG; LICHINITSER, MR; DOBRYNIN, YV; NIKOLAYEVA, TG; ZHARKOV, SA; SIDOROVA, NY; GARIN, AM; PREOBRAZHENSKAYA, MN.**

RIBAMIDYL AS A MODULATOR OF 5-FLUOROURACIL TOXIC EFFECT

EKSPERIMENTALNAYA ONKOLOGIYA 7(1), 58-60 (1985)

**228. MELNIK, SY; BAKHMEDOVA, AA; NEDOREZOVA, TP; YARTSEVA, IV; ZHUKOVA, OS; DOBRYNIN, YV; PREOBRAZHENSKAYA, MN; KOLESNIKOV, SP; LEE, VY; ROGOZHIN, IS; NEFEDOV, OM; CHEKUNOVA, EV; MARENNIKOVA, SS.**

SYNTHESIS OF ANOMERIC 5-TRIMETHYLGURMYL-2'-DEOXYURIDINES AND INVESTIGATION OF THEIR ANTIVIRAL AND CYTOTOXIC PROPERTIES

BIOORGANICHESKAYA KHIMIYA 11(9), 1247-1252 (1985)

**229. PREOBRAZHENSKAYA, MN.**

NEW DEVELOPMENTS IN ANTICANCER DRUG RESEARCH (REVIEW)

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (1), 18-31 (1985)

**230. EKTOVA, LV; TOLKACHEV, VN; SIZOVA, OS; NIKOLAEVA, TG; PILIPENKO, TV; DOBRYNIN, YV; PREOBRAZHENSKAYA, MN.**

SYNTHESIS AND PROPERTIES OF AN ACYCLIC ANALOG OF 9-DEAZAINOSINE AND RELATED-COMPOUNDS

BIOORGANICHESKAYA KHIMIYA 11(8), 1105-1109 (1985)



- 231. CHEKUNOVA, EV; MARENNIKOVA, SS; MELNIK, SY; PREOBRAZHENSKAYA, MN; ZAGULYAEVA, OA; MAMAEV, VP.**  
ANTIHERPETIC ACTIVITY OF XYLURE  
VOPROSY VIRUSOLOGII (4), 444-446 (1985)
- 232. IVANOVA, TP; KORBUKH, IA; PARAMONOVA, TD; STUKALOV, YV; YAKUNINA, NG; GORYUNOVA, OV; LESNAYA, NA; SOFYINA, ZP; DOBRYNIN, YV; PREOBRAZHENSKAYA, MN.**  
CORRELATION BETWEEN ANTINEOPLASTIC ACTION OF 1-BETA-D-RIBOFURANOSYL-4-METHYLMERCAPTOPYRIMIDINE AND ITS 5-MONOPHOSPHATE AND 5'-MONOPHOSPHATE CONTENT IN TUMOR-CELLS  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 19(1), 26-30 (1985)
- 233. MUKHANOV, VI; YARTSEVA, IV; KIKOT, BS; VOLODIN, YY; KUSTOVA, IL; LESNAYA, NA; SOFINA, ZP; ERMAKOVA, NP; PREOBRAZHENSKAYA, MN.**  
INVESTIGATION OF ASCORBIGEN AND ITS DERIVATIVES  
BIOORGANICHESKAYA KHIMIYA 10(4), 544-559 (1984)
- 234. KORBUKH, IA; GORYUNOVA, OV; STUKALOV, YV; IVANOVA, TP; DOBRYNIN, YV; PREOBRAZHENSKAYA, MN.**  
BIOTRANSFORMATION OF 1-BETA-D-RIBOFURANOSYL-4-METHYLTHIOPYRAZOLO(3,4-D)PYRIMIDINE AND ITS 5'-MONOPHOSPHATE  
BIOORGANICHESKAYA KHIMIYA 10(7), 963-969 (1984)
- 235. VOLODIN, YY; KIKOT, BS; LOBATCHEV, VM; PREOBRAZHENSKAYA, MN.**  
DETERMINATION OF ANTI-SYN-EQUILIBRIUM CONSTANTS OF 5-SUBSTITUTED 2'-DEOXYURIDINES BY CD SPECTROSCOPY  
BIOORGANICHESKAYA KHIMIYA 10(10), 1359-1365 (1984)
- 236. MUKHANOV, VI; KUSTOVA, IL; GAGLOEV, VN; YARTSEVA, IV; SHEVCHENKO, VE; VEVERIS, AY; SPINZE, BA; PREOBRAZHENSKAYA, MN.**  
INTRAMOLECULAR CARBAMOYLATION ON ALKALINE-DEGRADATION OF 3-GLYCOPYRANOSYL-1-METHYL-1-NITROSOUREAS  
BIOORGANICHESKAYA KHIMIYA 10(10), 1385-1394 (1984)
- 237. MELNIK, SY; BAKHMEDOVA, AA; MINIKER, TD; YARTSEVA, IV; PREOBRAZHENSKAYA, MN; ZAGULYAEVA, OA; MAMAEV, VP; CHEKUNOVA, EV; MARENNIKOVA, SS.**  
SYNTHESIS AND INVESTIGATION OF 5-(TRIALKYL-SILYL)PYRIMIDINE NUCLEOTIDES - A NOVEL ALPHA-2'-DEOXYNUCLEOSIDE WITH ANTIHERPETIC ACTIVITY  
BIOORGANICHESKAYA KHIMIYA 10(12), 1645-1654 (1984)
- 238. EKTOVA, LV; TOLKACHEV, VN; YARTSEVA, IV; PARAMONOVA, TD; LESNAYA, NA; SOFYINA, ZP; MARENNIKOVA, SS; CHEKUNOVA, EV; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS, AND STUDY OF THE DERIVATIVES OF 5-BROMO-1-GLYCOSYLISATINS, 6-NITRO-1-GLYCOSYLISATINS AND 5-BROMO-6-NITRO-1-GLYCOSYLISATINS  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 18(7), 776-785 (1984)
- 239. DOBRYNIN, YV; NIKOLAEVA, TG; SHKARGOVA, AD; LESNAYA, NA; PERETOLCHINA, NM; SOFYINA, ZP; EKTOVA, LV; TOLKACHEV, VN; PREOBRAZHENSKAYA, MN.**  
STRUCTURE - CYTO-TOXIC ACTIVITY RELATIONSHIP IN 1-GLYCOSYLISATINES 3-DERIVATIVES  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 18(12), 1440-1444 (1984)
- 240. BULYCHEV, YN; KORBUKH, IA; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS OF 3-SUBSTITUTED 4-METHYLMERCAPTO[3,4-D]PYRIMIDINES AND 4-AMINOPYRAZOLO[3,4-D]PYRIMIDINES AND THEIR RIBOSIDES

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (2), 253-258 (1984)

**241. BULYCHEV, YN; KORBUKH, IA; PREOBRAZHENSKAYA, MN; CHERNYSHOV, AI; YESIPOV, SY.**

INTERACTION OF 4-CYANO-5-AMINOPYRAZOLE AND 3,4-DICYANO-5-AMINOPYRAZOLE WITH DIMETHYLFORMAMIDE DIETHYLACETAL

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (2), 259-264 (1984)

**242. SHINGAROVA, ID; YARTSEVA, IV; NEMERYUK, MP; SEDOV, AL; SAFONOVA, TS; OSIPOV, GA; VOLODIK, YY; PREOBRAZHENSKAYA, MN.**

1-NUCLEOSIDES OF 5-SUBSTITUTED 4-CHLORO-1,2,3-TRIAZOLES

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (11), 1556-1564 (1984)

**243. POTAPOVA, GI; GUDRATOV, NO; ALEKHINA, RP; EKTOVA, LV; PREOBRAZHENSKAYA, MN.**

BIOLOGICAL-ACTIVITY AND THE MECHANISM OF ACTION OF 3-THIOSEMICARBAZONES OF 1-GLYCOSYLISATINS

KHIMIKO-FARMATSEVTICHESKII ZHURNAL 18(7), 785-790 (1984)

**244. KARASEV, NN; GREBESHOVA, RN; CHKANIKOV, ND; STUKALOV, YV; GAGLOEV, VN; YARTSEVA, IV; PREOBRAZHENSKAYA, MN.**

ENZYMATIC O-GLYCOSYLATION OF THYMIDINE

BIOORGANICHESKAYA KHIMIYA 9(9), 1254-1264 (1983)

**245. MELNIK, SY; MINIKER, TD; YARTSEVA, IV; NEDORESOVA, TP; POTAPOVA, GI; PREOBRAZHENSKAYA, MN.**

SYNTHESIS AND PROPERTIES OF PYRIMIDINE C-NUCLEOSIDE ACYCLIC ANALOGS

BIOORGANICHESKAYA KHIMIYA 9(10), 1395-1400 (1983)

**246. KORBUKH, IA; STUKALOY, YV; ZIMAKOVA, NI; PREOBRAZHENSKAYA, MN.**

SEPARATION OF NATURAL RIBONUCLEOSIDE TRIPHOSPHATES AND THEIR DETERMINATION IN THE ACID-SOLUBLE FRACTION OF CELLS BY THE ANION-EXCHANGE HIGH-PERFORMANCE LIQUID-CHROMATOGRAPHY

BIOORGANICHESKAYA KHIMIYA 9(12), 1644-1649 (1983)

**247. BUKHMAN, VM; BRUSENTOV, NA; LESNAYA, NA; SOFYINA, ZP; PREOBRAZHENSKAYA, MN.**

PHAGOCYTED DEPOT-FORMS OF ANTI-TUMOR DRUGS AND METABOLITES OF NUCLEIC-ACID EXCHANGE

EKSPERIMENTALNAYA ONKOLOGIYA 5(1), 55-57 (1983)

**248. SOBOLEVA, IA; KHABAROVA, MI; ZHENODAROVA, SM; MELNIK, SY; PREOBRAZHENSKAYA, MN.**

5-SUBSTITUTED 2'-DEOXYURIDINES IN THE SYNTHESIS OF INTERNUCLEOTIDE BOND CATALYZED BY DIFFERENT RIBONUCLEASES

BIOORGANICHESKAYA KHIMIYA 9(12), 1625-1633 (1983)

**249. SHINGAROVA, ID; SIZOVA, OS; PREOBRAZHENSKAYA, MN.**

DIOXOLANE ANALOGS OF INDOLE AND SUBSTITUTED 9-DESAZAPYRINE C-NUCLEOSIDES

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (11), 1500-1503 (1983)

**250. MELNIK, SY; MINIKER, TD; YARTSEVA, IV; PREOBRAZHENSKAYA, MN.**

SYNTHESIS OF ALPHA-D-ARABINOFURANOSYL PYRIMIDINES AND THEIR

CONVERSION TO 2'-DEOXY-ALPHA-D-RIBOFURANOSIDES

BIOORGANICHESKAYA KHIMIYA 8(8), 1094-1101 (1982)

**251. MELNIK, SY; BAKHMEDOVA, AA; YARTZEVA, IV; PREOBRAZHENSKAYA, MN; ZAGULYAEVA, OA; MAMAEV, VP; CHEKUNOVA, EV; BEKTEMIROV, TA; ANDZHAPARIDZE, OG.**

SYNTHESIS AND INVESTIGATION OF THYMIDINE ANALOGS WITH BRANCHED

SUBSTITUENT AT 5-POSITION OF PYRIMIDINE RING  
BIOORGANICHESKAYA KHIMIYA 8(8), 1102-1107 (1982)

**252. CHKANIKOV, ND; TOLKACHEV, VN; KORNVEYTS, MZ;  
PREOBRAZHENSKAYA, MN.**

SYNTHESIS OF "1-(BETA-D-ARABINOFURANOSYL)CYTOSINE 5'-O-GLUCURONIDE -  
THE SUGAR EXCHANGE-REACTION AT THE ATTEMPTED SYNTHESIS OF 1-(BETA-D-  
RIBOFURANOSYL)-1,2,4-TRIAZOLE-3-CARBOXAMIDE O-GLUCURONIDE  
BIOORGANICHESKAYA KHIMIYA 8(8), 1143-1148 (1982)

**253. BELITSKII G A; BUKHMAN V M; VORONOVITSKAYA G I; KONOPLEVA I A;  
KISELEVA M G; SINGIN A S; PREOBRAZHENSKAYA M N; CHKANIKOV N D.**

THE LATENT FORM OF THYMIDINE ACTIVATED BY THE SYSTEM OF NONSPECIFIC  
OXIDASES

EKSPERIMENTAL'NAYA ONKOLOGIYA 4(5), 25 (1982)

**254. BULYCHEV, YN; KORBUKH, IA; PREOBRAZHENSKAYA, MN.**

ON INTERACTION OF 3,4-DICYANO-5-AMINOPYRAZOLE WITH ORTHOFORMATE  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (12), 1682-1685 (1982)

**255. NAPALKOV, NP; MERABISHVILI, VM; TSERKOVNY, GF;  
PREOBRAZHENSKAYA, MN.**

NEOPLASM MORBIDITY IN THE USSR IN 1970-1980  
VOPROSY ONKOLOGII 28(10), 26-71 (1982)

**256. VOLODIN, YY; KIKOTJ, BS; PREOBRAZHENSKAYA, MN.**

CIRCULAR-DICHROISM STUDIES OF 5-SUBSTITUTED 2'-DEOXYURIDINES  
BIOORGANICHESKAYA KHIMIYA 8(10), 1375-1380 (1982)

**257. TOLKACHEV, VN; GELPERINA, SE; YARTSEVA, IV; PREOBRAZHENSKAYA,  
MN.**

SYNTHESIS AND INVESTIGATION OF 6-AZAURIDINE SUCCINIC ESTERS  
BIOORGANICHESKAYA KHIMIYA 8(10), 1381-1387 (1982)

**258. VARTANYAN, LS; RASHBA, YE; KOZACHENKO, AI; KORBUKH, IA;  
BULYCHEV, YN; PREOBRAZHENSKAYA, MN.**

NEW XANTHINOXIDASE INHIBITORS FROM PYRAZOLO [3,4-D] PYRIMIDINE AND  
PYRAZOLO [3,4-B] PYRIDINE SERIES .2. COMPARATIVE-EVALUATION OF THEIR  
EFFECTIVENESS

KHIMIKO-FARMATSEVTICHESKII ZHURNAL 16(6), 655-660 (1982)

**259. SOKOLOV, IK; KAPLAN, EY; BRUSENTOV, NA; PREOBRAZHENSKAYA, MN.**

SYNTHESIS AND STUDY OF HYPOXANTHINE-ALBUMIN AND ADENINE-ALBUMIN  
CONJUGATE EFFECTS ON THE RESISTANCE OF ANIMALS TO EXERCISES

KHIMIKO-FARMATSEVTICHESKII ZHURNAL 16(3), 279-283 (1982)

**260. MUKHANOV, VI; ZHIRNOVA, KG; SOKOLOVA, TN; PREOBRAZHENSKAYA,  
MN; NIKOLAEVA, TG; DOBRYNIN, YV.**

SYNTHESIS AND CYTOSTATIC ACTIVITY OF 1-ALPHA-L-ARABINOPYRANOZYL-6-  
NITROINDOL AND 1-BETA-D-GALACTOPYRANOZYL-5-NITROINDOL DERIVATIVES  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 16(3), 312-317 (1982)

**261. PREOBRAZHENSKAYA, MN; GARIN, AM; LOBOVA, TG; LICHINITSER, MR;  
MAMEDOV, FF.**

ANTAGONISM OF 6-AZAURIDINE AND 5-FLUOROURACIL

KHIMIKO-FARMATSEVTICHESKII ZHURNAL 15(9), 18-19 (1981)

**262. MELNIK, SY; BAKHMEDOVA, AA; NEDOREZOVA, TP; VORNOVITSKAYA, GI;  
PREOBRAZHENSKAYA, MN; AVETISYAN, EA; GERMAN, LS; POLYSHCHUK, VR;  
CHEKUNOVA, EV; BEKTEMIROV, TA; ANDZHAPARIDZE, OG.**

SYNTHESIS OF ANOMERIC 5-(2-HYDROXYHEXAFLUOROISOPROPYL)-2'-

DEOXYURIDINES AND INVESTIGATION OF THEIR ANTI-METABOLITE AND ANTI-VIRAL PROPERTIES

BIOORGANICHESKAYA KHIMIYA 7(7), 1047-1053 (1981)

**263. MELNIK, SY; BAKHMEDOVA, AA; YARTSEVA, IV; NEDOREZOVA, TP; VORNOVITSKAYA, GI; PREOBRAZHENSKAYA, MN; GERMAN, LS; POLYSHCHUK, VR; AVETISYAN, EA.**

SYNTHESIS AND INVESTIGATION OF 5-PERFLUOROISOPROPYL-2'-DEOXYURIDINE

BIOORGANICHESKAYA KHIMIYA 7(11), 1711-1717 (1981)

**264. MELNIK, SY; BAKHMEDOVA, AA; VOLODIN, YY; PREOBRAZHENSKAYA, MN; CHERNYSHEV, AI; ESIPOV, SE; NAVASHIN, SM.**

SYNTHESIS OF REUMYCIN GLYCOSIDE DERIVATIVES

BIOORGANICHESKAYA KHIMIYA 7(11), 1723-1730 (1981)

**265. SOKOLOVA, TN; YARTSEVA, IV; PREOBRAZHENSKAYA, MN.**

3-BETA-D-RIBOFURANOSYLINDOLES (INDOLE C-NUCLEOSIDES)

CARBOHYDRATE RESEARCH 93(1), 19-34 (1981)

**266. CHKANIKOV, ND; PREOBRAZHENSKAYA, MN.**

O - GLYCOSYLNUCLEOSIDES

JOURNAL OF CARBOHYDRATES-NUCLEOSIDES-NUCLEOTIDES 8(5), 391-421 (1981)

**267. MINIKER, TD; PREOBRAZHENSKAYA, MN.**

AZAANALOGS AND DESAZAANALOGS OF PURINE NUCLEOSIDES (REVIEW)

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (2), 147-161 (1981)

**268. BULYCHEV, YN; KORBUCH, IA; PREOBRAZHENSKAYA, MN.**

SYNTHESIS OF "PYRAZOLO[3,4-D]PYRIMIDINYL-3-ACETIC ACID-DERIVATIVES AND THEIR NUCLEOSIDES

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (4), 536-545 (1981)

**269. BLANKO, FF; KORBUCH, IA; PREOBRAZHENSKAYA, MN; DORN, K.**

SYNTHESIS OF NUCLEOSIDES OF SUBSTITUTED 3-ETHOXYPYRAZOLES

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (11), 1512-1514 (1981)

**270. NAPALKOV, NP; MERABISHVILI, VM; TSERKOVNY, GF; PREOBRAZHENSKAYA, MN.**

MALIGNANT NEOPLASMS IN THE USSR IN 1979 - AN EVALUATION OF BASIC INDEXES

VOPROSY ONKOLOGII 27(11), 3-27 (1981)

**271. BEKTEMIROV, TA; CHEKUNOVA, EV; KORBUCH, IA; BULYCHEV, YN; YAKUNINA, NG; PREOBRAZHENSKAYA, MN.**

ANTI-VIRAL ACTIVITY OF SUBSTITUTED 6-METHYLMERCAPTOPYRAZOLO(3,4-D)PYRIMIDINES AND THEIR RIBOSIDES

ACTA VIROLOGICA 25(5), 326-329 (1981)

**272. BUKHMAN, VM; BRUSENTOV, NA; KIKOT, BS; VOLODIN, YY; CHERTKOVA, AI; PREOBRAZHENSKAYA, MN.**

SYNTHESIS AND STUDY OF ANTI-NEOPLASTIC ACTIVITY OF PHAGOCYTIZED CONJUGATE OF 5-FLUOROURACIL WITH ALBUMIN

KHIMIKO-FARMATSEVTICHESKII ZHURNAL 15(8), 58-65 (1981)

**273. SOKOLOVA, TN; YARTSEVA, IV; SHEVCHENKO, VY; PREOBRAZHENSKAYA, MN.**

3-BETA-D-RIBOFURANOSIDES (C-NUCLEOSIDES) OF INDOLES

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (6), 767-778 (1981)

**274. CHKANIKOV, ND; TOLKACHEV, VN; PREOBRAZHENSKAYA, MN.**

N-TETRAHYDROFURANYL AND O-TETRAHYDROFURANYL DERIVATIVES OF

THYMIDINE AND URIDINE

BIOORGANICHESKAYA KHIMIYA 7(3), 381-384 (1981)

**275. NAPALKOV, N P; MERABISHVILI, V M; TSERKOVNYI, G F; PREOBRAZHENSKAYA, M N.**

[MALIGNANT NEOPLASMS IN THE USSR IN 1979 (ANALYSIS OF MAJOR INDICES)].

VOПРОSY ONKOLOGII 27(11), - (1981)

**276. CHKANIKOV, ND; PREOBRAZHENSKAYA, MN.**

5'-O-(BETA-D-GLUCOPYRANOSYLURONATE)-6-AZAURIDINE

BIOORGANICHESKAYA KHIMIYA 6(1), 67-69 (1980)

**277. CHKANIKOV, ND; BELITSKY, GA; KOLYADA, AY; KISELEVA, MG; KHITROVO, IA; PREOBRAZHENSKAYA, MN.**

O-TETRAHYDROFURANYL DERIVATIVES OF THYMIDINE AND 2'-DEOXYCYTIDINE

BIOORGANICHESKAYA KHIMIYA 6(9), 1316-1320 (1980)

**278. KORBUKH, IA; YAKUNINA, NG; PREOBRAZHENSKAYA, MN.**

SYNTHESIS AND REACTIONS OF THE NUCLEOSIDES OF 4-SUBSTITUTED AND 4,6-SUBSTITUTED PYRAZOLO(3,4-D)PYRIMIDINES

BIOORGANICHESKAYA KHIMIYA 6(11), 1632-1638 (1980)

**279. SOKOLOVA, TN; SHEVCHENKO, VE; PREOBRAZHENSKAYA, MN.**

INTERACTION OF INDOLES WITH GLYCOSYL HALIDES IN THE PRESENCE OF SILVER-OXIDE

CARBOHYDRATE RESEARCH 83(2), 249-261 (1980)

**280. BRUSENTOV, NA; BUKHMAN, VM; BELITSKY, GA; SLAVINA, EG; LEIPUNSKAYA, IL; KIKOT, BS; PREOBRAZHENSKAYA, MN.**

SYNTHESIS AND INVITRO EXAMINATION OF THYMIDINE AND HYPOXANTHINE CONJUGATES WITH MICRO-AGGREGATES OF HUMAN-SERUM ALBUMIN

KHIMIKO-FARMATSEVTICHESKII ZHURNAL 14(3), 5-14 (1980)

**281. DOBRYNIN, YV; BEKTEMIROV, TA; IVANOVA, TP; CHEKUNOVA, EV; ANDZHAPARIDZE, OG; KORBUKH, IA; BULYCHEV, YN; YAKUNINA, NG; PREOBRAZHENSKAYA, MN.**

CYTO-TOXIC AND ANTI-VIRAL ACTIVITY OF 4-SUBSTITUTED AND 3,4-SUBSTITUTED 6-METHYLMERCAPTOPYRAZOLO (3,4-D)PYRIMIDINES AND THEIR RIBOSIDES

KHIMIKO-FARMATSEVTICHESKII ZHURNAL 14(5), 10-15 (1980)

**282. BULYCHEV, YN; KORBUKH, IA; PREOBRAZHENSKAYA, MN.**

CHEMICAL-TRANSFORMATIONS IN THE SERIES OF TRISUBSTITUTED PYRAZOLO(3,4-D)PYRIMIDINES AND THEIR 1-RIBOSIDES

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (2), 243-250 (1980)

**283. SOKOLOVA, TN; YARTSEVA, IV; PREOBRAZHENSKAYA, MN.**

SYNTHESIS OF 3-BETA-D-RIBOFURANOSIDE OF 6-NITROINDOLE

KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (10), 1423-1424 (1980)

**284. NAPALKOV, NP; TSERKOVNY, GF; MERABISHVILI, VM; PREOBRAZHENSKAYA, MN.**

MALIGNANT NEOPLASMS MORBIDITY AMONG THE POPULATION OF THE USSR IN 1976

VOПРОSY ONKOLOGII 26(4), 10-43 (1980)

**285. NAPALKOV, NP; TSERKOVNY, GF; MERABISHVILI, VM; PREOBRAZHENSKAYA, MN.**

PECULIARITIES OF MALIGNANT NEOPLASMS MORBIDITY AMONG THE POPULATION OF THE USSR IN 1977

VOПРОSY ONKOLOGII 26(4), 43-62 (1980)

- 286. CHKANIKOV, I. D.; TOLKACHEV, V. N.; KORNVEITS, M. Z.; YAGUZHINSKAYA, V. P.; BELITSKII, G. A.; PREOBRAZHENSKAYA, M. N..**  
SYNTHESIS OF GLYCOSIDE AND O-TETRAHYDROFURANYL DERIVATIVES OF NUCLEOSIDES  
AKTUAL'N. PROBL. EKSPERIM. KHIMioterAPII OPUKHOLEI. MATERIALY VSES. SOVESHCH., CHERNOGOLOVKA 1, 51 (1980)
- 287. EKTOVA, LV; TOLKACHEV, VN; RADYUKINA, NL; IVANOVA, TP; DOBRYNIN, YV; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS AND INVESTIGATION OF NUCLEOSIDES RELATED TO TUBERCIDIN ANTIBIOTIC  
BIOORGANICHESKAYA KHIMIYA 5(9), 1369 (1979)
- 288. DOBRYNIN, YV; NIKOLAEVA, TG; SOKOLOVA, TN; ZHIRNOVA, KG; MUKHANOV, VI; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS AND STUDY INTO BIOLOGICAL-ACTIVITY OF INDOLE NUCLEOSIDES .5. STRUCTURE-ACTIVITY-RELATIONSHIPS OF SUBSTITUTED INDOLE NUCLEOSIDES  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 13(10), 45 (1979)
- 289. KORBUKH, IA; BULYCHEV, YN; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS OF 1-RIBOSIDE OF 3-CYANO-4,6-DIMETHYLMERCAPTOPYRAZOLO(3,4-D)PYRIMIDINE  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (12), 1687 (1979)
- 290. NESTEROVA, OM; KIKOT, BS; PREOBRAZHENSKAYA, MN.**  
STUDY OF IR-SPECTRA OF DIASTEREOMERIC FOR PHOSPHORUS NUCLEOSIDE 2,3-O-ALKYLPHOSPHONATES  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (2), 181 (1979)
- 291. PREOBRAZHENSKAYA, MN.**  
ANNUAL JOINT CONFERENCE OF THE AMERICAN-ASSOCIATION-FOR-CANCER-RESEARCH AND AMERICAN-SOCIETY-FOR-CLINICAL-ONCOLOGY  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 13(10), 116 (1979)
- 292. GORYUNOVA, OV; KORBUKH, IA; PREOBRAZHENSKAYA, MN; CHERNYSHEV, AI.**  
NUCLEOSIDES OF 5-METHYLMERCAPTO-6H-PYRAZOLO(4,3-D)PYRIMIDINONE-7  
BIOORGANICHESKAYA KHIMIYA 5(9), 1361 (1979)
- 293. MELNIK, SY; BAKHMEDOVA, AA; VORNOVITSKAYA, GI; DOBRYNIN, YV; NIKOLAEVA, TG; IVANOVA, TP; YARTSEVA, IV; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS AND INVESTIGATION OF 5-POLYFLUOROALKYL AND 5-POLYFLUOROALKOXYMETHYL-2'-DEOXPYRIMIDINE NUCLEOSIDES  
BIOORGANICHESKAYA KHIMIYA 5(1), 41 (1979)
- 294. MUKHANOV, VI; YARTSEVA, IV; EKTOVA, LV; CHKANIKOV, ND; MINIKER, TD; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS AND STUDY OF 5-NITROINDOLE AND 6-NITROINDOLE L-ARABINO-PYRANOSIDES  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (2), 224 (1979)
- 295. MINIKER, TD; MUKHANOV, VI; CHKANIKOV, ND; YARTZEVA, IV; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS OF SOME 1-GLYCOSYL-6-NITROINDOLES  
CARBOHYDRATE RESEARCH 64(JUL), 17 (1978)
- 296. CHKANIKOV, ND; TOLKACHEV, VN; PREOBRAZHENSKAYA, MN.**  
THYMIDINE-DEOXYCYTIDINE AND 2'-DEOXYCYTIDINE 5'-O-GLUCOPYRANOSIDES  
BIOORGANICHESKAYA KHIMIYA 4(12), 1620 (1978)

- 297. DOBRYNIN, YV; NIKOLAEVA, TG; MUKHANOV, VI; YARTSEVA, IV; MINIKER, TD; EKTOVA, LV; TOLKACHEV, VN; CHKANIKOV, ND; PREOBRAZHENSKAYA, MN.**  
STUDY OF BIOLOGICAL-ACTIVITY OF INDOLE NUCLEOSIDES - STRUCTURE - BIOLOGICAL-ACTIVITY RELATIONSHIPS  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 12(5), 33 (1978)
- 298. EKTOVA, LV; TOLKACHEV, VN; KORNVEITS, MZ; PREOBRAZHENSKAYA, MN.**  
NEW TOTAL SYNTHESIS OF TUBERCIDIN ANTIBIOTIC (7-DEAZADENOSINE)  
BIOORGANICHESKAYA KHIMIYA 4(9), 1250 (1978)
- 299. KORBUKH, IA; BLANKO, FF; KOVELMAN, IR; PREOBRAZHENSKAYA, MN.**  
GLYCOSYLATION OF BENZOTRIAZOLE  
ZHURNAL ORGANICHESKOI KHIMII 14(5), 1101 (1978)
- 300. KORBUKH, IA; ABRAMOVA, LN; STEPANENKO, BN; PREOBRAZHENSKAYA, MN.**  
STEREOSPECIFICITY OF 4-NITROPYRAZOLE GLYCOSYLATION BY FUSION WITH ALPHA-ANOMERS AND BETA-ANOMERS OF TETRA-O-ACYL-D-ARABINOFURANOSE AND TETRA-O-ACYL-D-XYLOFURANOSE  
ZHURNAL ORGANICHESKOI KHIMII 14(10), 2169 (1978)
- 301. NEDOREZOVA, TP; MELNIK, SY; YARTSEVA, IV; PREOBRAZHENSKAYA, MN.**  
(R)-2',3'-O-ADAMANTYLPHOSPHONATES AND (S)-2',3'-O-ADAMANTYLPHOSPHONATES OF PURINE NUCLEOSIDES  
BIOORGANICHESKAYA KHIMIYA 4(8), 1058 (1978)
- 302. PREOBRAZHENSKAYA, M. N.; YARTSEVA, I. V.; EKTOVA, L. V..**  
NUCLEIC ACID CHEM. 2, 725 (1978)
- 303. PREOBRAZHENSKAYA M N; KORBUKH I A; TOLKACHEV V N; DOBRYNIN JA V; VORNOVITSKAYA G I.**  
STUDIES OF PURINE NUCLEOSIDE ANALOGS  
INSERM (INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE)  
COLLOQUE 81, 85 (1978)
- 304. LEVI, IS; GARAYEVA, LD; OSIPOVA, EM; PREOBRAZHENSKAYA, MN.**  
1,2,6-PHOSPHADIAZINEDIONE-1,3-DERIVATIVES  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (7), 972 (1978)
- 305. NAPALCOV, N P; TSEKOVNYĬ, G F; MERABISHVILI, V M; PREOBRAZHENSKAYA, M N.**  
ZLOKACHESTVENNYE NOVOOBRAZOVANIYA V SSSR V 1975 G.  
VOPROSY ONKOLOGII 24(6), 8 (1978)
- 306. KORBUKH, IA; ABRAMOVA, LN; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS OF ALPHA-D-ARABINOFURANOSIDES OF SUBSTITUTED PYRAZOLE  
ZHURNAL ORGANICHESKOI KHIMII 13(4), 731 (1977)
- 307. MELNIK, SY; SHINGAROVA, ID; YARTSEVA, IV; PREOBRAZHENSKAYA, MN.**  
THYMIDINE INTERACTION WITH 1-ADAMANTYLPHOSPHONODICHLORIDE  
BIOORGANICHESKAYA KHIMIYA 3(8), 1034 (1977)
- 308. MUKHANOV, VI; MINIKER, TD; PREOBRAZHENSKAYA, MN.**  
STUDY OF 1-BETA-D-RIBOFURANOSIDES OF 5-NITROINDOLES AND 6-NITROINDOLES  
ZHURNAL ORGANICHESKOI KHIMII 13(1), 214 (1977)
- 309. TOLKACHEV, VN; KORNVEITS, MZ; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS OF 3-ACYLINDOLE 1-GLYCOSIDES

ZHURNAL ORGANICHESKOI KHIMII 13(2), 416 (1977)

**310. YARTSEVA, IV; EKTOVA, LV; SAKHAROVA, VI; DOBRYNIN, YV;  
YAVORSKAYA, NP; NIKOLAEVA, TG; SOFINA, ZP; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS AND STUDY OF 1-GLYCOSYLIZATIONS  
ZHURNAL ORGANICHESKOI KHIMII 13(8), 1743 (1977)

**311. NAPAL'KOV, N P; TSEKOVNYI, G F; MERABISHVILI, V M;  
PREOBRAZHENSKAYA, M N.**  
RASPROSTRANENNOST' ZLOKACHESTVENNYKH NOVOOBRAZOVANIĖ I  
ORGANIZATSII MEDITSINSKOĖ POMOSHCHI ONKOLOGICHESKIM BOL'NYM V SSSR  
V 1974 G  
VOPROSY ONKOLOGII 23(2), 3 (1977)

**312. BLANKO, FF; KORBUKH, IA; PREOBRAZHENSKAYA, MN.**  
RIBOSYLATION OF 4-METHYLMERCAPTOPYRAZOLO[3,4-D]PYRIMIDINE  
ZHURNAL ORGANICHESKOI KHIMII 12(5), 1132 (1976)

**313. KORBUKH, IA; BUDANOVA, OV; YAKUNINA, NG; SERAYA, VI;  
PREOBRAZHENSKAYA, MN.**  
GLYCOSIDES OF PYRAZOLE AND CONDENSED HETEROCYCLIC PYRAZOLE  
SYSTEMS .16. RIBOSIDES OF DERIVATIVES OF 4-NITROPYRAZOLECARBOXYLIC  
AND 4-AMINOPYRAZOLECARBOXYLIC ACIDS  
ZHURNAL ORGANICHESKOI KHIMII 12(7), 1560 (1976)

**314. KORBUKH, II; BLANKO, FF; DORN, K; PREOBRAZHENSKAYA, MN.**  
STRUCTURE OF HYDROXYPYRAZOLO[3,4-B]PYRIDINE AND ITS SYNTHESIZED  
NUCLEOSIDES  
ZHURNAL ORGANICHESKOI KHIMII 12(9), 2043 (1976)

**315. KORBUKH, IA; KITAEV, SV; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS OF 4-NITROPYRAZOLE-3,5-DICARBOXYLIC ACID-DERIVATIVES AND  
THEIR RIBOSIDES  
ZHURNAL ORGANICHESKOI KHIMII 12(3), 682 (1976)

**316. PREOBRAZHENSKAYA, MN; MELNIK, SY; OLEINIK, DM; SHEPELEVA, ES;  
TURCHIN, KF; SANIN, PI.**  
DIASTEREOMERIC URIDINE AND 5'-FLUORO-5'-DEOXYURIDINE 2',3'-O-(1-  
ADAMANTHYL)PHOSPHONATES  
BIOORGANICHESKAYA KHIMIYA 2(5), 627 (1976)

**317. TOLKACHEV, VN; PREOBRAZHENSKAYA, MN; KUDRYASHEVA, VA;  
TURCHIN, KF.**  
SYNTHESIS AND STUDY OF 1-GLYCOSIDES, AS BETA-CARBOLINE DERIVATIVES  
ZHURNAL ORGANICHESKOI KHIMII 12(5), 1080 (1976)

**318. BUDANOVA, OV; KORBUKH, IA; PREOBRAZHENSKAYA, MN.**  
RIBOSYLATION OF 7-METHYLMERCAPTOPYRAZOLO[4,3-D]PYRIMIDINE  
ZHURNAL ORGANICHESKOI KHIMII 12(5), 1131 (1976)

**319. MELNIK, SY; NEDOREZOVA, TP; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS OF 2',3'-O-(1-ADAMANTHYL) PHOSPHONATES OF MODIFIED URIDINES  
JOURNAL OF CARBOHYDRATES-NUCLEOSIDES-NUCLEOTIDES 3(3), 129 (1976)

**320. NEDOREZOVA, TP; MELNIK, SY; PREOBRAZHENSKAYA, MN.**  
SYNTHESIS OF 1-ALPHA-RIBOFURANOSYL AND 1-BETA-D-RIBOFURANOSYL 5-  
FLUOROURACILS  
BIOORGANICHESKAYA KHIMIYA 2(9), 1205 (1976)

**321. KORBUKH, IA; YAKUNINA, NG; PREOBRAZHENSKAYA, MN.**  
RIBOSIDES OF 4-NITROPYRAZOLECARBOXYLIC ACID-DERIVATIVES, AS KEY



COMPOUNDS IN SYNTHESIS OF PYRAZOMYCIN AND FORMYCIN N-GLUCOSIDE ANALOGS

ZHURNAL ORGANICHESKOI KHIMII 11(2), 463 (1975)

**322. OFITSEROV, VI; MOKRUSHIN, VS; KORBUKH, IA; PREOBRAZHENSKAYA, MN; PUSHKAREVA, ZV.**

SYNTHESIS OF 7-(BETA-D-RIBOFURANOSYL)-4-METHYLTHIOIMIDAZO[4,5-D]-VIC-TRIAZINES

ZHURNAL ORGANICHESKOI KHIMII 11(4), 909 (1975)

**323. PREOBRAZHENSKAYA, MN; MELNIK, SY; OLEINIK, DM; NEDOREZOVA, TP; TURCHIN, KF; SHEPELEVA, ES; SANIN, PI.**

(R)-2',3'-CYCLO-1-ADAMANTANYLPHOSPHONATES AND (S)-2',3'-CYCLO-1-ADAMANTANYLPHOSPHONATES OF PYRIMIDINE NUCLEOSIDES

JOURNAL OF CARBOHYDRATES-NUCLEOSIDES-NUCLEOTIDES 2(6), 413 (1975)

**324. PREOBRAZHENSKAYA, MN; KORBUKH, IA; BLANCO, FF.**

STRUCTURE OF PYRAZOLE AND FUSED PYRAZOLE TRIMETHYLSILYL DERIVATIVES AND SITE OF THEIR GLYCOSYLATION

JOURNAL OF CARBOHYDRATES-NUCLEOSIDES-NUCLEOTIDES 2(1), 73 (1975)

**325. TOLKACHEV, VN; PREOBRAZHENSKAYA, MN.**

DEHYDROGENATION OF ORTHO-ACYLATED 1-GLYCOSYLINDOLINES BY ACTIVE MANGANESE-DIOXIDE

ZHURNAL ORGANICHESKOI KHIMII 11(3), 658 (1975)

**326. YARTSEVA, IV; EKTOVA, LV; PREOBRAZHENSKAYA, MN.**

1-RIBOSYLISATINS

BIOORGANICHESKAYA KHIMIYA 1(2), 189 (1975)

**327. YARTSEVA, IV; EKTOVA, LV; PREOBRAZHENSKAYA, MN; LESNAYA, NA; YAVORSKAYA, NP; PLATONOVA, GN; SOFINA, ZP.**

SYNTHESIS OF 1-GLUCOSYLISATINS AND THEIR BIOLOGICAL-ACTIVITY ON ANIMALS WITH TRANSPLANTABLE TUMORS AND INVITRO

BIOORGANICHESKAYA KHIMIYA 1(11), 1589 (1975)

**328. UTKINA, EA; MELNIK, SY; PREOBRAZHENSKAYA, MN; SUVOROV, NN.**

UV AND CD SPECTRA OF 5'-(1-INDOLYL) AND 5'-(6-METHYLMERCAPTO-9-PURINYL)-5'-DEOXYNUCLEOSIDES

BIOORGANICHESKAYA KHIMIYA 1(10), 1423 (1975)

**329. UTKINA, EA; MELNIK, SY; PREOBRAZHENSKAYA, MN; SUVOROV, NN.**

SYNTHESIS OF 5'-(1-INDOLYL)-5'-DEOXYADENOSINES AND 5'-(6-METHYLMERCAPTO-9-PURINYL)-5'-DEOXYADENOSINES

ZHURNAL ORGANICHESKOI KHIMII 11(4), 910 (1975)

**330. KORBUKH, I A; ABRAMOVA, L N; STEPANENKO, B N; PREOBRAZHENSKAYA, M N.**

SINTEX ANOMERNYKH 1-D-KSILOFURANOZIDOV PROIZVODNYKH PIRAZOL-3-KARBONOVOĀ KISLOTY

DOKLADY AKADEMII NAUK SSSR 220(1), 240 (1975)

**331. NAPALKOV, N P; TSERKOVNYĀ, G F; PREOBRAZHENSKAYA, M N; BEREZKIN, D P; SHABASHOVA, N IA.**

ZABOLEVAEMOST' NASELENIIA SSSR ZLOKACHESTVENNYMI NOVOOBRAZOVANIAMI

VOPROSY ONKOLOGII 21(6), 3 (1975)

**332. TSERKOVNYĀ, G F; NAPALKOV, N P; BEREZKIN, D P; PREOBRAZHENSKAYA, M N; SHABASHOVA, N IA.**

ZABOLEVAEMOST' NASELENIIA SSSR ZLOKACHESTVENNYMI  
NOVOOBRAZOVANIAMI  
VOPROSY ONKOLOGII 21(1), 3 (1975)

**333. GERMAN, LS; POLISHCH.VR; PREOBRAZ.MN; MELNIK, SY.**  
5-FLUOROSULPHONYLCITIZINE  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (6), 858 (1974)

**334. KORBUKH, IA; BLANKO, FF; PREOBRAZ.MN.**  
GLYCOSIDES OF PYRAZOLE AND CONDENSED PYRAZOLE SYSTEMS .5. 1-  
GLYCOSIDES OF 3-SUBSTITUTED INDAZOLES  
ZHURNAL ORGANICHESKOI KHIMII 10(5), 1091 (1974)

**335. KORBUKH, IA; BLANKO, FF; PREOBRAZ.MN.**  
ISOMERIZATION OF 2-GLUCOSYLINDAZOLE  
ZHURNAL ORGANICHESKOI KHIMII 10(7), 1550 (1974)

**336. KORBUKH, IA; YUDINA, ON; PREOBRAZ.MN.**  
SYNTHESIS OF 1-BETA-D-RIBOFURANOSYLPYRAZOLE-3-CARBOXAMIDE  
ZHURNAL ORGANICHESKOI KHIMII 10(8), 1787 (1974)

**337. PREOBRAZ.MN; TOLKACHE.VN; GELING, ON; KOSTYUCH.NP.**  
SYNTHESIS OF 1-BETA-D-GLUCOPYRANOSIDES OF 3-(2-AMINOETHYL)INDOLE AND  
3-(2-AMINOPROPYL)INDOLE  
ZHURNAL ORGANICHESKOI KHIMII 10(8), 1764 (1974)

**338. PREOBRAZ.MN; YARTSEVA, IV; EKTOVA, LV.**  
1-BETA-D-GLUCOPYRANOSIDES OF ISATIN AND METHYLISATINS  
DOKLADY AKADEMII NAUK SSSR 215(4), 873 (1974)

**339. PREOBRAZ.MN; TOLKACHE.VN; LEVI, IS; KORNVEIT.MZ.**  
PHOSPHORUS-CONTAINING ANALOGS OF URACYL  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (10), 1433 (1974)

**340. PREOBRAZ.MN; MINIKER, TD; MARTYNOV, VS; YAKHONTO.LN;  
KRASNOKU.DM.**  
SYNTHESIS OF 1-BETA-D-RIBOFURANOSIDES OF PYRROLLO[2,3-B]PYRIDINES  
ZHURNAL ORGANICHESKOI KHIMII 10(11), 2449 (1974)

**341. PREOBRAZ.MN; MINIKER, TD; MARTYNOV, VS; YAKHONTO.LN;  
KOSTYUCH.NP; KRASNOKU.DM.**  
1-BETA-D-GLUCOPYRANOSIDES OF PYRROLO [2,3-B]PYRIDINES (7-AZAINDOLES)  
ZHURNAL ORGANICHESKOI KHIMII 10(4), 745 (1974)

**342. KORBUKH, IA; PREOBRAZ.MN; DORN, K; KONDAKOV.NG; KOSTYUCH.NP.**  
GLYCOSIDES OF PYRAZOLE AND CONDENSED PYRAZOLE HETEROCYCLIC-  
SYSTEMS .6. GLYCOSIDES OF PYRAZOLO[3,4-B]PYRAZINE  
ZHURNAL ORGANICHESKOI KHIMII 10(5), 1095 (1974)

**343. MARTYNOV, VS; FILIPENK.TY; PREOBRAZ.MN.**  
CARBAZOLE GLYCOSIDES .1. 9-BETA-D-GLUCOPYRANOSYLCARBAZOLES, 9-BETA-  
D-RIBOPYRANOSYLCARBAZOLES AND 9-BETA-D-RIBOFURANOSYLCARBAZOLES  
ZHURNAL ORGANICHESKOI KHIMII 10(5), 1117 (1974)

**344. MELNIK, SY; UTKINA, EA; PREOBRAZ.MN; SUVOROV, NN.**  
STUDYING 6-HETEROARYL DERIVATIVES OF 6-DEOXY-D-GLUCOSE  
ZHURNAL ORGANICHESKOI KHIMII 10(4), 750 (1974)

**345. MUKHANOV, VI; PREOBRAZ.MN; SUVOROV, NN.**  
SYNTHESIS OF 2-DEOXY-D-RIBOFURANOSE DERIVATIVES  
ZHURNAL ORGANICHESKOI KHIMII 10(3), 666 (1974)

- 346. MUKHANOV, VI; PREOBRAZ.MN; KOSTYUCH.NP; FILIPENK.TY; SUVOROV, NN.**  
GLYCOSYLINDOLES .12. 1-BETA-D-RIBOFURANOSIDES OF 5-FLUOROINDOLE AND 6-FLUOROINDOLE  
ZHURNAL ORGANICHESKOI KHIMII 10(3), 587 (1974)
- 347. PREOBRAZHENS KAYA, MN; MUKHANOV, VI.**  
ANOMERIZATION IN PREPARATION OF 1-GLYCOSYLINDOLES BY DEHYDROGENATION OF 1-GLYCOSYLINDOLINES  
JOURNAL OF CARBOHYDRATES-NUCLEOSIDES-NUCLEOTIDES 1(5-6), 469 (1974)
- 348. KORBUKH, IA; BLANCO, FF; PREOBRAZ.MN.**  
1-GLYCOSYLINDAZOLES  
TETRAHEDRON LETTERS (46), 4619 (1973)
- 349. KORBUKH, IA; BLANKO, FF; PREOBRAZ.MN; DORN, K; KONDAKOV.NG; SUKHOVA, TI; KOSTYUCH.NP.**  
GLYCOSIDES OF PYRAZOLE AND CONDENSED PYRAZOLE HETEROCYCLES .2. SYNTHESIS OF PYRAZOLO [3,4-B] PYRIDINE GLYCOSIDES  
ZHURNAL ORGANICHESKOI KHIMII 9(6), 1266 (1973)
- 350. MARTYNOV, VS; PREOBRAZ.MN.**  
GLYCOSYLATION OF 2-MERCAPTO-4-HYDROXY-5,6-DIHYDRO-7H-PYRROLO[2,3-D] PYRIMIDINE  
ZHURNAL ORGANICHESKOI KHIMII 9(9), 1980 (1973)
- 351. PREOBRAZ.MN; ZHDANOV, YA; SHABUNOV.VP; SUVOROV, NN.**  
PREPARATION OF 1 BETA-D-TETRAACETYLGLUCOPYRANOSYLINDOLE FROM INDOLYLMAGNESIUM IODIDE AND ACETOBROMOGLUCOSE  
ZHURNAL ORGANICHESKOI KHIMII 9(12), 2624 (1973)
- 352. SAVELEVA, LA; PREOBRAZ.MN; SUVOROV, NN.**  
NEW SYNTHESIS OF TRANS-BETA-(INDOLYL-3)ACRYLIC ACID  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (7), 1005 (1973)
- 353. KORBUKH, IA; BLANKO, FF; PREOBRAZ.MN.**  
1-BETA D-RIBOFURANOSYL-3-CYANOINDAZOLE SYNTHESIS  
ZHURNAL ORGANICHESKOI KHIMII 9(4), 852 (1973)
- 354. PREOBRAZHENS KAYA, M.N.; KHOLODKOVSKAYA, K.B.; BALASHOVA, E.G.; SUVOROV, N.N..**  
INDOLE DERIVATIVES. XXV. SYNTHESIS OF DERIVATIVES OF 3-INDOLYLGLYCEROL AND 3-INDOLYLETHYLENE GLYCOL  
HETRO. COMP. 1(2), 173 (1972)
- 355. PREOBRAZ.MN; SUVOROV, NN; SOROKINA, NP; LIBERMAN, SS; AVRAMENK.VG; MOSINA, GS; ORLOVA, LM.**  
SYNTHESIS AND STUDY OF PHARMACOLOGICAL ACTIVITY OF OXYKETONES OF INDOLE SERIES  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 6(1), 32 (1972)
- 356. PREOBRAZ.MN; SUVOROV, NN; ZHIRNOVA, KG; KOSTYUCH.NP.**  
SYNTHESIS AND STEREOCHEMISTRY OF 1-(3-INDOLYL)-1,2-ALKANEDIOLS  
ZHURNAL ORGANICHESKOI KHIMII 8(5), 994 (1972)
- 357. PREOBRAZ.MN; MUKHANOV, VI; MANZON, LD; SUVOROV, NN.**  
SYNTHESIS OF 1-DEOXY-1-(1-INDOLYL)-D-SORBITOL AND 1-DEOXY-1-(1-INDOLYL)-D-GALACTITOL  
ZHURNAL ORGANICHESKOI KHIMII 8(12), 2600 (1972)
- 358. PREOBRAZHENS KAYA M N; ORLOVA L M; LIBERMAN S S; MOSINA G S;**

- AVRAMENKO V G; SOROKINA N P; SUVOROV N N.**  
SYNTHESIS AND STUDY OF THE PHARMACOLOGICAL ACTIVITY OF HYDROXY  
KETONES IN THE INDOLE SERIES  
PHARMACEUTICAL CHEMISTRY JOURNAL (ENGLISH TRANSLATION OF KHIMIKO-  
FARMATSEVTICHESKII ZHURNAL) 6(1), 33 (1972)
- 359. MARTINEK, K; VARFOLOM.SD; SAVELEVA, LA; BEREZIN, IV;  
PREOBRAZ.MN.**  
TRANS-SPECIFICITY FOR ALPHA-CHYMOTRYPSIN IN HYDROLYSIS OF PARA  
NITROPHENYL ESTERS OF INDOLYLACRYLIC ACIDS  
BIOKHIMIYA 37(3), 614 (1972)
- 360. TURCHIN, KF; PREOBRAZ.MN; SAVELEVA, LA; BELENKAY.ES;  
KOSTYUCH.NP; SHEINKER, YN; SUVOROV, NN.**  
CONFIGURATION AND STUDY OF CONFORMATIONAL EQUILIBRIUM OF  
DIASTEREOMERIC BETA METHYLTRYPTOPHANS OF [ALPHA-AMINO BETA-  
(INDOLYL-3)-BUTYRIC ACIDS]  
ZHURNAL ORGANICHESKOI KHIMII 7(6), 1290 (1971)
- 361. PREOBRAZ.MN; ZHIRNOVA, KG; KOSTYUCH.NP; ANISIMOV.OS; SUVOROV,  
NN.**  
ALPHA-(INDOLYL-3)-BETA-OXYETHYLAMINE AND ITS DERIVATIVES  
KHIMIYA GETEROTSIKLICHESKIKH SOEDINENII (6), 778 (1971)
- 362. KORBUKH, IA; BLANKO, FF; DORN, K; PREOBRAZ.MN.**  
SYNTHESIS OF 4-CHLOROPYRAZOLO [3,4-B] PYRIDINE RIBOSIDE  
ZHURNAL ORGANICHESKOI KHIMII 7(12), 2633 (1971)
- 363. PREOBRAZ.MN; ORLOVA, LM; STAROSTI.ZG; LIBERMAN, SS; SUKHININ.GP;  
SUVOROV, NN.**  
SYNTHESIS AND STUDY OF PHARMACOLOGICAL ACTIVITY OF 1-(INDOLYL-3')-2-  
ALKYLAMINOETHANOLS  
KHIMIKO-FARMATSEVTICHESKII ZHURNAL 4(10), 5 (1970)
- 364. PREOBRAZ.MN; VIGDORCH.MM; KOSTYUCH.NP; SHEINKER, YN.**  
DETERMINATION OF CONFIGURATION AND CONFORMATION OF I-  
GLYCOSYLINDOLES BY MEANS OF ELECTRON-SPIN RESONANCE SPECTRA  
DOKLADY AKADEMII NAUK SSSR 185(3), 617 (1969)
- 365. PREOBRAZ.MN; SAVELEVA, LA; TURCHIN, KF; SUVOROV, NN.**  
ANIONOTROPIC REARRANGEMENT IN INDOLE SERIES  
DOKLADY AKADEMII NAUK SSSR 179(4), 884 (1968)
- 366. PREOBRAZHENS KAYA, M N; BALASHOVA, E G; TURCHIN, K F;  
PADEISKAYA, E N; UVAROVA, N V; PERSHIN, G N; SUVOROV, N N.**  
TOTAL SYNTHESIS OF ANTIBIOTIC INDOLMYCIN AND ITS STEREOISOMERS.  
TETRAHEDRON 24(19), 6131 (1968)
- 367. VIGDORCHIK, M M; PREOBRAZHENS KAYA, M N; SUVOROV, N N.**  
GLYCOSYLINDOLES, IX. I-BETA-D-RIBOFURANOSYLINDOLE 5-PHOSPHATE.  
TETRAHEDRON LETTERS (44), 4645 (1968)
- 368. PREOBRAZ.MN; UVAROVA, NV; PADEISKA.EN; PERSHIN, GN; SUVOROV, NN.**  
COMPLETE SYNTHESIS OF DL-INDOLEMYCINE  
DOKLADY AKADEMII NAUK SSSR 172(4), 870 (1967)
- 369. PREOBRAZHENS KAYA, M N; VIGDORCHIK, M M; SUVOROV, N N.**  
GLYCOSYLINDOLES. VII. SYNTHESIS OF 1-(D-BETA-RIBOFURANOSYL)INDOLE.  
TETRAHEDRON 23(12), 4653 (1967)
- 370. PREOBRAZ.MN; ORLOVA, LM; SAVELEVA, LA; KISIN, AV; ZARETSKI.VI;**

**VULFSON, NS; SUVOROV, NN.**

SYNTHESIS AND INVESTIGATION OF RACEMIC INDOLEMYCIN AND ISOINDOLEMYCIN ACIDS

DOKLADY AKADEMII NAUK SSSR 166(3), 611 (1966)

**371. PREOBRAZ.MN; SUVOROV, NN.**

1-GLYCOSYLINDOLES .3. ACTION OF NUCLEOPHILIC REAGENTS ON 2,3,4,6-TETRA-O-BENZYL-ALPHA-GLUCOPYRANOSYL BROMIDE

JOURNAL OF GENERAL CHEMISTRY USSR 35(5), 891 (1965)

**372. PREOBRAZ.MN; SUVOROV, NN.**

1-GLYCOSYLINDOLES .4. 1-(TETRA-O-BENZYL-BETA-D-GLUCOPYRANOSYL)INDOLE

JOURNAL OF GENERAL CHEMISTRY USSR 35(5), 896 (1965)

**373. PREOBRAZHENS KAYA, MN; FEDOTOVA, MV; SOROKINA, NP; OGAREVA, OB; UVAROVA, NV; SUVOROV, NN.**

PROIZVODNYE INDOLA .20. PRIMENENIE INDOLIN-INDOLNOGO METODA DLYA SINTEZA PROIZVODNYKH TRIPTAMINA I GETEROAUKSINA

ZHURNAL OBSHCHEI KHIMII 34(4), 1310 (1964)

**374. POTAPOV, VM; TERENCEV, AP; PREOBRAZHENS KAYA, MN; SUVOROV, NN.**

STEREOKHIMICHESKIE ISSLEDOVANIYA .16. OPTICHESKI AKTIVNYI BETA-(INDOLIL-3)IZOPROPILAMIN

ZHURNAL OBSHCHEI KHIMII 33(8), 2702 (1963)

**375. PREOBRAZHENS KAYA, MN; ORLOVA, LM; SUVOROV, NN.**

SINTEZ ALPHA-OKSI-BETA-METIL-BETA-(3-INDOLIL)PROPIONOVOI KISLOTY

ZHURNAL OBSHCHEI KHIMII 33(4), 1378 (1963)

**376. SUVOROV, NN; PREOBRAZHENS KAYA, MN; UVAROVA, NV.**

PROIZVODNYE INDOLA .13. NOVYI METOD SINTEZA ALPHA-METILTRIPTAMINA

ZHURNAL OBSHCHEI KHIMII 32(5), 1567 (1962)

**377. TERENCEV, AP; GE, BL; PREOBRAZHENS KAYA, MN.**

VVEDENIE ZAMESTITELEI V BENZOLNOE YADRO INDOLA .8. 1-METILINDOLALDEGID-5

ZHURNAL OBSHCHEI KHIMII 32(4), 1335 (1962)

**378. SUVOROV, NN; PREOBRAZHENS KAYA, MN.**

SINTEZ N-(D-BETA-TETRAATSETILGLYUKOPIRANOZIL)-INDOLA

ZHURNAL OBSHCHEI KHIMII 30(7), 2434 (1960)

**379. TERENCEV, AP; PREOBRAZHENS KAYA, MN.**

VVEDENIE ZAMESTITELEI V BENZOLNOE YADRO INDOLA .6. SINTEZ

SULFOPROIZVODNYKH INDOLA I INDOLINA

ZHURNAL OBSHCHEI KHIMII 30(4), 1218 (1960)

**380. TERENCEV, AP; PREOBRAZHENS KAYA, MN; BOBKOV, AS; SOROKINA, GM.**

VVEDENIE ZAMESTITELEI V BENZOLNOE YADRO INDOLA .4. POLUCHENIE

BROMINDOLOV, NITROINDOLOV I AMINOINDOLOV I INDOLINOV

ZHURNAL OBSHCHEI KHIMII 29(8), 2541 (1959)

**381. TERENCEV, AP; PREOBRAZHENS KAYA, MN; SOROKINA, GM.**

VVEDENIE ZAMESTITELEI V BENZOLNOE YADRO INDOLA .5. SINTEZ KETONOV INDOLNOGO RYADA

ZHURNAL OBSHCHEI KHIMII 29(9), 2875 (1959)

**382. TERENCEV, AP; PREOBRAZHENS KAYA, MN.**

METOD VVEDENIYA ZAMESTITELEI V BENZOLNOE YADRO INDOLA .2.

POLUCHENIE 5-BROM-1-METILINDOLA I 5-AMINO-1-METILINDOLA

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**383. TEREENTIEV, AP;PREOBRAZHENSKAYA, MN.**  
SYNTHESIS OF 5-METOXYINDOLE DERIVATIVES  
DOKLADY AKADEMII NAUK SSSR 114(3), 560 (1957)

**384. TEREENTEV, AP;PREOBRAZHENSKAYA, MN.**  
SINTEZ PROIZVODNYKH 1,2,3-TIADIAZOLINOV  
ZHURNAL OBSHCHEI KHIMII 26(12), 3468 (1956)