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Synthesis and Antiinflammatory Evaluation of Some Condensed [4-(3,4-Dimethylphenyl)-1(2H)-oxo-phthalazin-2-yl]acetic Acid Hydrazide

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Synthesis and anti-inflammatory evaluation of some condensed [4-(3,4-dimethylphenyl)-1(2H)-oxo-phthalazin-2-yl] acetic acid hydrazide

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Mosaad S.M. Abd alla, Mohamed I. Hegab*, Nageh A. Abo Taleb, Sherifa M. Hasabelnaby and A. Goudah

Synthesis, molecular modeling and biological evaluation of novel tadalafil analogues as phosphodiesterase 5 and colon tumor cell growth inhibitors, new stereochemical perspective

pp. 1278-1286

Ashraf H. Abadi*, Bernard D. Gary, Heather N. Tinsley, Gary A. Piazza and Mohammad Abdel-Halim

$Synthesis, characterization, and \ biocide\ properties\ of\ semicarbazide-formal dehyde\ resin\ and\ its\ polymer\ metal\ complexes$

pp. 1287-1294

Nahid Nishat*, Tansir Ahamad, Saad. M. Alshehri and Shadma Parveen

Polymer metal complexes are prepared by the reaction of polymeric resin with metal acetates in 2:1 molar ratio

Synthesis and pharmacological evaluation of new 5-(cyclo)alkyl-5-phenyl- and 5-spiroimidazolidine-2,4-dione derivatives. Novel $5-HT_{1A}$ receptor agonist with potential antidepressant and anxiolytic activity

pp. 1295-1303

Anna Czopek, Hanna Byrtus, Marcin Kołaczkowski, Maciej Pawłowski*, Małgorzata Dybała, Gabriel Nowak, Ewa Tatarczyńska, Anna Wesołowska and Ewa Chojnacka-Wójcik

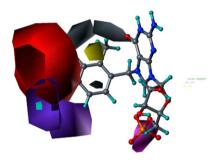
Several investigated compounds exhibited high affinity for 5-HT_{1A}/5-HT_{2A} receptors and diversified pharmacological profile. The presence of spiroarylcycloalkyl system in amide fragment may contribute to anxiolytic/antidepressant activity.

 $A = indanyl/tetralinyl; B = methyl or cyclopropyl R = H, 2-OCH_3, 3-Cl$

Design, synthesis and evaluation of analogs of initiation factor 4E (eIF4E) cap-binding antagonist Bn⁷-GMP

pp. 1304-1313

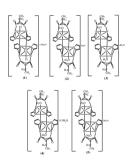
Yan Jia, Ting-Lan Chiu, Elizabeth A. Amin, Vitaly Polunovsky, Peter B. Bitterman and Carston R. Wagner*



New dimeric cyclodiphosph(V)azane complexes of Cr(III), Co(II), Ni(II), Cu(II), and Zn(II): Preparation, characterization and biological activity studies

pp. 1314-1322

Abdel-Nasser M.A. Alaghaz* and Reda A. Ammar



Synthesis, characterization and biological evaluation of some thiourea derivatives bearing benzothiazole moiety as potential antimicrobial and anticancer agents

pp. 1323-1331

Sohail Saeed*, Naghmana Rashid, Peter G. Jones, Muhammad Ali and Rizwan Hussain

In this communication, we have described a novel procedure for the synthesis of thiourea derivatives using tetrabutyl ammonium bromide (TBAB) as phase transfer catalyst (PTC).

1a-1d: R₁= 4-nitrophenyl 1a- 5a 2a-2d: R₁= 2- thiophene 1b- 5b

 $3a-3d: R_1 = phenyl$ 1c- 5c: R= NH₂

5a-5d: R₁= 4-morpholine

Tu Du. K

Antihyperglycemic activity of naphthylchalcones

pp. 1332-1337

Rosangela Guollo Damazio, Ana Paula Zanatta, Luisa Helena Cazarolli, Louise Domeneghini Chiaradia, Alessandra Mascarello, Ricardo José Nunes, Rosendo Augusto Yunes and Fátima Regina Mena Barreto Silva*

Chalcone **2** (2*E*)-3-(2-naphthyl)-1-(4'-nitrophenyl)-2-propen-1-one and chalcone **4** (2*E*)-1-(2-naphthyl)-3-(3-nitrophenyl)-2-propen-1-one showed stimulatory effect in insulin secretion and represent potential compounds with strong antihyperglycemic properties.

Synthesis and antimicrobial activities of some new thiazole and pyrazole derivatives based on 4,5,6,7-tetrahydrobenzothiophene moiety

pp. 1338-1345

M.A. Gouda*, M.A. Berghot, Ghada E. Abd El-Ghani and A.M. Khalil

Synthesis, structure and affinity of novel 3-alkoxy-1,2-dihydro-3*H*-1,4-benzodiazepin-2-ones for CNS central and peripheral benzodiazepine receptors

pp. 1346-1351

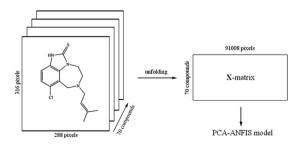
Sergey Andronati, Ekaterina Semenishyna, Victor Pavlovsky*, Yuriy Simonov, Svetlana Makan, Irina Boyko, Natalya Burenkova, Maria Gdaniec, Pascal Cardinael, Jean-Philippe Bouillon and Alexander Mazepa

MIA—QSAR coupled to principal component analysis-adaptive neuro-fuzzy inference systems (PCA—ANFIS) for the modeling of the anti-HIV reverse transcriptase activities of TIBO derivatives

pp. 1352-1358

Mohammad Goodarzi and Matheus P. Freitas*

A QSAR method based on MIA descriptors, together with principal component analysis-adaptive neuro-fuzzy inference systems (PCA—ANFIS), provided a highly predictive model for the activities of a series of TIBO derivatives.



Design, synthesis and biological evaluation of indane-2-arylhydrazinylmethylene-1,3-diones and indol-2-aryldiazenylmethylene-3-ones as β -amyloid aggregation inhibitors

pp. 1359-1366

Marco Catto, Rosaria Aliano, Angelo Carotti, Saverio Cellamare, Fausta Palluotto, Rosa Purgatorio, Angelo De Stradis and Francesco Campagna*

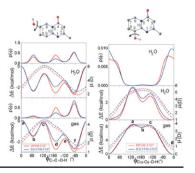
OH R = 4-CH(CH₃)₂, R' = H IC₅₀ 1.4
$$\mu$$
M

Physicochemical characterization of neuroleptics. Relative stability of 7- and 9-hydroxyrisperidones and their protonated forms in gas phase and in solution

pp. 1367-1373

S. Millefiori* and A. Alparone

Torsional potentials and rotational probabilities of 7-hydroxy- and 9-hydroxy-tetrahydropyrido[1,2-a]pyr-imidin-4-one as model compounds of corresponding hydroxyrisperidones.



New isatin derivatives with antioxidant activity

pp. 1374-1378

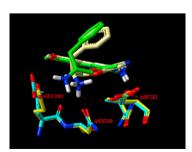
Aldo Andreani*, Silvia Burnelli, Massimiliano Granaiola, Alberto Leoni, Alessandra Locatelli, Rita Morigi, Mirella Rambaldi, Lucilla Varoli, Mauro Andrea Cremonini, Giuseppe Placucci, Rinaldo Cervellati and Emanuela Greco

The identification of 8,9-dimethoxy-5-(2-aminoalkoxy-pyridin-3-yl)-benzo[c][2,7]naphthyridin-4-ylamines as potent inhibitors of 3-phosphoinositide-dependent kinase-1 (PDK-1)

pp. 1379-1386

Thomas Nittoli*, Russell G. Dushin, Charles Ingalls, Katherine Cheung, M. Brawner Floyd, Heidi Fraser, Andrea Olland, Yongbo Hu, George Grosu, Xin Han, Kim Arndt, Bing Guo and Allan Wissner

A series of potent and selective inhibitors of (PDK-1) has been identified. X-ray crystallographic analyses of enantiomeric inhibitors bound to the active site of PDK-1 revealed comparable binding modes.



InChI-based optimal descriptors: QSAR analysis of fullerene[C60]-based HIV-1 PR inhibitors by correlation balance Andrey A. Toropov*, Alla P. Toropova, Emilio Benfenati, Danuta Leszczynska and Jerzy Leszczynski

pp. 1387-1394

No. 19

No. 19

O Subtraining set

Calibration set

Test set

PEC50(expr)

Synthesis of 1-benzyl-3-(5-hydroxymethyl-2-furyl)selenolo[3,2-c]pyrazole derivatives as new anticancer agents

pp. 1395-1402

Li-Chen Chou, Li-Jiau Huang, Mei-Hua Hsu, Mei-Chi Fang, Jai-Sing Yang, Shi-Hong Zhuang, Hui-Yi Lin, Fang-Yu Lee, Che-Ming Teng and Sheng-Chu Kuo^*

1-Benzyl-3-(5-hydroxymethyl-2-furyl)selenolo[3,2-c]pyrazole (2) with new core structure was synthesized and found to exhibit selective inhibition toward NCI-H226 non-small cell lung cancer and A-498 renal cancer cells.

Synthesis and anti-inflammatory activity of novel (substituted)benzylidene acetone oxime ether derivatives: Molecular modeling study

pp. 1403-1414

Mohammed I. El-Gamal, Said M. Bayomi, Saadia M. El-Ashry, Shehta A. Said, Alaa A.-M. Abdel-Aziz and Naglaa I. Abdel-Aziz*

Compound **7a** was found to possess anti-inflammatory activity with negligible ulcerogenic effect and similar binding mode to SC-558, a selective COX-2 inhibitor.

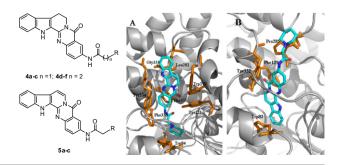
$$N_3$$
 O NH_2 CH_3 CH_3

Synthesis and evaluation of novel rutaecarpine derivatives and related alkaloids derivatives as selective acetylcholinesterase inhibitors

pp. 1415-1423

Bin Wang, Yi-Chi Mai, Yue Li, Jin-Qiang Hou, Shi-Liang Huang, Tian-Miao Ou, Jia-Heng Tan, Lin-Kun An, Ding Li, Lian-Quan Gu* and Zhi-Shu Huang*

The synthesis of $\bf 5c$ with strong inhibitory activity for AChE and high selectivity for AChE over BuChE (ID $_{50}=10$ nM, Selectivity Index =539) is reported.



Novel antileishmanial chalconoids: Synthesis and biological activity of 1- or 3-(6-chloro-2*H*-chromen-3-yl) propen-1-ones

pp. 1424-1429

Zohreh Nazarian, Saeed Emami, Samaneh Heydari, Sussan K. Ardestani, Maryam Nakhjiri, Fatemeh Poorrajab, Abbas Shafiee and Alireza Foroumadi*

A series of novel chalconoids containing a 6-chloro-2*H*-chromen-3-yl group were prepared and evaluated against the promastigote form of *Leishmania major*.

Synthesis, cytotoxicity and DNA-binding of novel bisnaphthalimidopropyl derivatives in breast cancer MDA-MB-231

pp. 1430-1437

Gemma A Barron, Giovanna Bermano, Amanda Gordon and Paul Kong Thoo Lin*

R BNIPs
$$n = CH_2 = 4, 6, 8, 10, 12$$
. $R = naphth$
 $n = CH_2 = 10$. $R = naphth$

R = naphth

N NPA $R = (CH_2)_3NH_2$

A novel copper complex of salicylaldehyde pyrazole hydrazone induces apoptosis through up-regulating integrin $\beta 4$ in H322 lung carcinoma cells

pp. 1438-1446

ChuanDong Fan, Hua Su, Jing Zhao, BaoXiang Zhao*, ShangLi Zhang and JunYing Miao*

Cu-16 promotes apoptosis in H322 cells through elevating the protein level of integrin $\beta 4$.

$Synthesis, characterization \ and \ \textit{in vitro} \ pharmacology \ of \ novel \ pregabalin \ derivatives$

pp. 1447-1452

Štefica Horvat, Zdenko Hameršak*, Irena Stipetić and Thierry Jolas

A series of novel pregabalin derivatives were synthesized starting from N-protected pregabalin, different amino sugars, adamantylamine, serotonin and tryptamine. Gabapentin receptor binding assay study showed the one among them, the serotonin-pregabalin adduct 17, possesses a promising activity ($K_i = 11 \mu M$).

Synthesis of new pyrrolo[2,3-d]pyrimidine derivatives and evaluation of their activities against human colon cancer cell lines

pp. 1453-1458

Saritha Jyostna Tangeda and Achaiah Garlapati*

New pyrrolopyrimidines were synthesized using 2,4-diamino-6-hydroxypyrimidine and chloroacetone as starting compounds. On evaluation nitrobenzimidazole (Ar) linked pyrrolopyrimidine exhibited significant activity against HCT116 colon cancer cell lines ($IC_{50} = 17.6 \mu M$) and dose dependent induction of apoptosis.

Synthesis and characterization of novel fatty acid analogs of cholesterol: *In vitro* antimicrobial activity Mudasir R. Banday, Nida N. Farshori, Anis Ahmad, Asad U. Khan and Abdul Rauf*

pp. 1459-1464

In this study we synthesized fatty acid analogs of cholesterol using DCC and DMAP as a catalyst. All synthesized compounds were characterized using different spectral techniques. The newly synthesized compounds were screened for their antimicrobial activity.

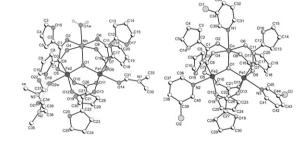
$$\begin{array}{c} H_3C \\ CH_3 \\ + \\ CH_3 \\ \end{array} \begin{array}{c} CH_3 \\ + \\ CH_3 \\ + \\ CH_3 \\ \end{array} \begin{array}{c} CH_3 \\ + \\ CH_3 \\ + \\ CH_3 \\ \end{array} \begin{array}{c} CH_3 \\ + \\ CH_3 \\ + \\$$

Synthesis and anti-tuberculosis activity of new hetero(Mn, Co, Ni)trinuclear iron(III) furoates

pp. 1465-1469

Silvia Melnic, Denis Prodius*, Helene Stoeckli-Evans, Sergiu Shova and Constantin Turta

New hetero(μ_3 -oxo)trinuclear iron (III) furoates have been prepared and investigated by X-ray, Mössbauer and IR spectroscopies. It was shown that the iron(III)–cobalt(II) containing compounds with furoate ligand exhibited high anti-tuberculosis activity, which is unexpected result for these class of compounds.



QSAR modeling of taxane analogues against colon cancer

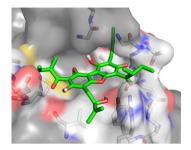
pp. 1470-1477

Rajeshwar P. Verma* and Corwin Hansch

Designing inhibitors against fructose 1,6-bisphosphatase: Exploring natural products for novel inhibitor scaffolds

pp. 1478-1484

Sabrina Heng, Katharine M. Harris and Evan R. Kantrowitz*



Synthesis, biological and medicinal significance of S-glycosido-thieno[2,3-d]-pyrimidines as new anti-inflammatory and analysesic agents

pp. 1485-1493

Hend N. Hafez*, Abdel-Rahman B.A. El-Gazzar and Galal A.M. Nawwar

2-Thioglycosides were prepared, glycosylation of 2-thioxo-thieno[2,3-d]-pyrimidines with 1-bromo-2,3,5-tri-O-acetyl- α -D-arabinofuranosyle, 2,3,4,6-tetra-O-acetyl- α -D-glucopyranosyl and galacto-pyranosyl bromide gave β -D-nuclosides in high yields, Anti-inflammatory and Analgesic activities screening of the new compounds possess highly promising activities.

$Anti-HSV-1\ activity\ and\ mechanism\ of\ action\ of\ some\ new\ synthesized\ substituted\ pyrimidine,\ thiopyrimidine\ and\ thiazolopyrimidine\ derivatives$

pp. 1494–1501

Salwa F. Mohamed, Eman M. Flefel, Abd El-Galil E. Amr* and Dina N. Abd El-Shafy

A series of heterocyclic derivatives **2–16** conjugated with tetrahydronaphthalene moiety were synthesized as antiviral agents by using 1-(5,6,7,8-tetrahydronaphthalen-2-yl)ethanone as starting material. The antiviral screening showed that many of these obtained compounds have good antiviral activities comparable to Acyclovir as reference control.

$An eco-friendly \ synthesis \ and \ antimicrobial \ activities \ of \ dihydro-2 \textit{H-} benzo- \ and \ naph tho-1,3-oxazine \ derivatives$

pp. 1502-1507

Bijoy P. Mathew, Awanit Kumar, Satyasheel Sharma, P.K. Shukla and Mahendra Nath*

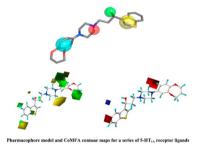
An eco-friendly synthesis, characterization and *in vitro* antimicrobial activities of a series of 3,4-dihydro-2*H*-benzo[e]-, 2,3-dihydro-1*H*-naphtho[1,2-e]-, 3,4-dihydro-2*H*-naphtho[2,1-e]-1,3-oxazines and 1,2-bis(3,4-dihydro-benzo[e]-1,3-oxazin-3(4*H*)-yl)ethanes are described.

Pharmacophore-based 3D QSAR studies on a series of high affinity 5-HT_{1A} receptor ligands

Karen C. Weber, Lívia B. Salum, Káthia M. Honório**, Adriano D. Andricopulo and Albérico B.F. da Silva*

pp. 1508-1514

Pharmacophore model and CoMFA contour maps for a series of 5-HT_{1A} receptor ligands.



Synthesis and cytotoxic evaluation of N^2 -benzylated quaternary β -carboline amino acid ester conjugates

pp. 1515-1523

Chunming Ma, Rihui Cao*, Buxi Shi, Shaoxue Li, Zhiyong Chen, Wei Yi, Wenlie Peng, Zhenhua Ren and Huacan Song*

A series of N^2 -benzylated quaternary β -carboline amino acid ester conjugates was synthesized and evaluated as new antitumor agents. Compounds **8b** and **8g** were found to be the most potent compounds with IC₅₀ values lower than 20 μ M against all tumor cell lines investigated.

Synthesis and in vitro activity of limonene derivatives against Leishmania and Trypanosoma

pp. 1524-1528

Cedric S. Graebin, Maria de F. Madeira, Jenicer K.U. Yokoyama-Yasunaka, Danilo C. Miguel, Silvia R.B. Uliana, Diego Benitez, Hugo Cerecetto, Mercedes González, Ricardo Gomes da Rosa and Vera Lucia Eifler-Lima*

$$R(+)$$
-limonene

Synthesis and evaluation of some new substituted benzothiazepine and benzoxazepine derivatives as anticonvulsant agentsNeha Garg, Trilok Chandra, Archana, Amit B Jain and Ashok Kumar*

pp. 1529-1535

In the present study, we have synthesized some new substituted benzothiazepine and benzoxazepine derivatives as anticonvulsant agents and screened for their anticonvulsant activity. The compound (3g) has shown most potent anticonvulsant activity.

Triazole incorporated thiazoles as a new class of anticonvulsants: Design, synthesis and *in vivo* screening Nadeem Siddiqui* and Waquar Ahsan

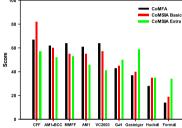
pp. 1536-1543

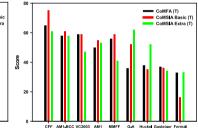
3-[4-(substituted phenyl)-1,3-thiazol-2-ylamino]-4-(substituted phenyl)-4,5-dihydro-1*H*-1,2,4-triazole-5-thiones (**7a**-**t**) were designed, synthesized and their anticonvulsant screening were performed by maximal electroshock seizure and subcutaneous pentylenetetrazole test. Compounds **7d** and **7f** showed significant anticonvulsant activity in both the screens.

A comparison of different electrostatic potentials on prediction accuracy in CoMFA and CoMSIA studies

pp. 1544-1551

Keng-Chang Tsai, Yu-Chen Chen, Nai-Wan Hsiao, Chao-Li Wang, Chih-Lung Lin, Yu-Ching Lee, Minyong Li* and Binghe Wang**





Synthesis and study of some new 1,3-isoindoledione derivatives as potential antibacterial agents A.M. Khalil, M.A. Berghot and M.A. Gouda*

pp. 1552-1559

3D-QSAR studies on quinazoline antifolate thymidylate synthase inhibitors by CoMFA and CoMSIA models Vivek Srivastava, S.P. Gupta*, M.I. Siddiqi and B.N. Mishra**

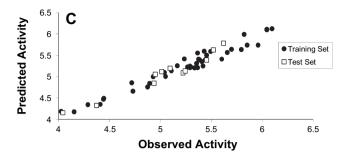
pp. 1560-1571

Some 3D-QSAR studies have been made on quinazoline antifolate thymidylate synthase inhibitors using CoMFA and CoMSIA approaches.

Application of PC-ANN and PC-LS-SVM in QSAR of CCR1 antagonist compounds: A comparative study Mohsen Shahlaei, Afshin Fassihi* and Lotfollah Saghaie

pp. 1572-1582

PCR, PC-ANN, and PC-LS-SVM as regression methods were investigated for building quantitative structure-activity relationships for the prediction of inhibitory activity of some CCR1 antagonists.



Synthesis and *in vitro* microbiological evaluation of an array of biolabile 2-morpholino-*N*-(4,6-diarylpyrimidin-2-yl)acetamides

pp. 1583-1589

V. Kanagarajan, J. Thanusu and M. Gopalakrishnan*

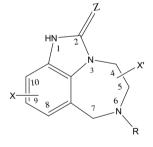
Biolabile 2-morpholino-N-(4,6-diarylpyrimidin-2-yl)acetamides **34-42** have been synthesized and studied for their *in vitro* antibacterial and antifungal activities.

Support vector machines: Development of QSAR models for predicting anti-HIV-1 activity of TIBO derivatives

pp. 1590-1597

Rachid Darnag, E.L. Mostapha Mazouz, Andreea Schmitzer, Didier Villemin, Abdellah Jarid and Driss Cherqaoui*

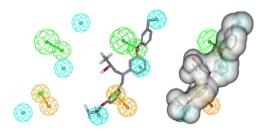
The support vector machines are used to develop quantitative relationships between the anti-HIV activity and four molecular descriptors of 82 TIBO derivatives.



Discovery of new cholesteryl ester transfer protein inhibitors via ligand-based pharmacophore modeling and QSAR analysis followed by synthetic exploration

pp. 1598–1617

Reema Abu Khalaf, Ghassan Abu Sheikha, Yasser Bustanji and Mutasem O. Taha*



Novel cyclic-imide peptidomimetics as aminopeptidase N inhibitors. Structure-based design, chemistry and activity evaluation. II

pp. 1618-1626

Qianbin Li, Hao Fang, Xuejian Wang and Wenfang Xu*

Novel 3-amino-cyclic-imide peptidomimetics were synthesized and evaluated for their inhibitory activities against aminopeptidase N and human leukemia cell lines, and in vivo anti-metastasis activities as well. Compound 13f reported potent activities either in vitro or in vivo.

SHORT COMMUNICATIONS

Synthesis, characterization antibacterial and antiproliferative activity of novel Cu(II) and Pd(II) complexes with 2-hydroxy-8-R-tricyclol7.3.1.0.^{2.7}ltridecane-13-one thiosemicarbazone

pp. 1627-1634

Tudor Rosu*, Elena Pahontu, Simona Pasculescu, Rodica Georgescu, Nicolae Stanica, Adelina Curaj, Alexandra Popescu and Mircea Leabu

Complex combinations of Cu(II) and Pd(II) with thiosemicarbazone derivatives of 2-hydroxy-8-R-tricyclo $[7.3.1.0.^{2.7}]$ tridecane-13-one (R = n-propyl; 2-furyl) were synthesized. The characterization of the ligands and the newly synthesized complexes was done by 1 H NMR, 13 C NMR, UV—vis, IR, ESR spectroscopy, molar conductivity, magnetic measurements, thermal studies and elemental analyses. Potential antibacterial effect has been investigated against four different microorganisms and we also studied the effect on HeLa cells proliferation.

$$R = n \cdot C_3 H_7$$
 (HL¹)
$$R = \sqrt{\frac{HL^2}{HL^2}}$$

Synthesis and antimicrobial activity of novel pyrazolo[3,4-d]pyrimidin derivatives

pp. 1635-1638

Chandrahas N. Khobragade*, Ragini G. Bodade, Shankaraiah G. Konda, Bhaskar S. Dawane and Anand V. Manwar

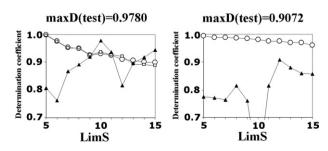
A series of pyrazolo[3,4-*d*]thiazolo[3,2-*a*]pyrimidin-4-one derivatives were synthesized and evaluated for antimicrobial activity.

QSPR modeling of octanol/water partition coefficient of antineoplastic agents by balance of correlations

pp. 1639-1647

Andrey A. Toropov*, Alla P. Toropova, Ivan Raska and Emilio Benfenati

The determination coefficient (square of the correlation coefficient) between optimal SMILES-based descriptor and octanol/water partition coefficient for an external test set of antineoplastic agents can be improved by the balance of correlations.



New dioxazole derivatives: Synthesis and effects on the growth of *Entamoeba histolytica* and *Giardia intestinalis* Iram Irfan, Nongyao Sawangjaroen, Abdul R. Bhat and Amir Azam*

pp. 1648-1653

The effect of diaoxazoles on the inhibition of growth of *E. histolytica* and *G. intestinalis* and cytotoxicity activity *in vitro* against Vero Cell line is reported.

Synthesis and biological evaluation of water-soluble organogermanium

pp. 1654-1656

Sumi Choi, Changwon Oh, Jeongsoo Han, Jina Park, Jee-Hye Choi, Na Young Min, Kwang-Ho Lee, Ae Ja Park, Yeo Jin Kim, Su Jeong Jang, Duck-Hyung Lee** and Seung Wook Ham*

New water-soluble organogermanium compound (Ge-OH) was synthesized. An animal study showed that Ge-OH is a better INF- γ inducer than Ge-132.

Synthesis and in vitro antiproliferative activities of quinoline derivatives

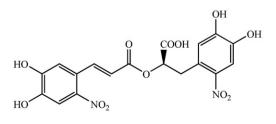
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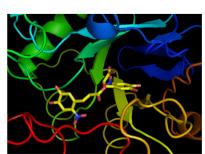
Sidonie Broch, Bettina Aboab, Fabrice Anizon and Pascale Moreau*

PRELIMINARY COMMUNICATIONS

Evaluation of aldose reductase inhibition and docking studies of 6'-nitro and 6',6"-dinitrorosmarinic acids Catherine Koukoulitsa*, Fabrice Bailly, Kiriaki Pegklidou, Vassilis J. Demopoulos and Philippe Cotelle*

pp. 1663-1666





Synthesis and antibacterial activity of 5-ylidenethiazolidin-4-ones and 5-benzylidene-4,6-pyrimidinediones

pp. 1667-1672

Tihomir Tomašić, Nace Zidar, Manica Mueller-Premru, Danijel Kikelj* and Lucija Peterlin Mašič*

First synthesis and biological evaluation of novel spin-labeled derivatives of deoxypodophyllotoxin

pp. 1673-1677

Zhi-Wei Zhang, Jia-Qiang Zhang, Ling Hui, Shi-Wu Chen* and Xuan Tian*

The spin-labeled derivatives of deoxypodophyllotoxin **11a**—**h** were more potent cytotoxicities (HL-60, RPMI-8226 and A-549) and antioxidative activities than parent compound DPPT and anticancer drug VP-16.

Study of a cyclopamine glucuronide prodrug for the selective chemotherapy of glioblastoma

pp. 1678-1682

Florian Hamon, Brigitte Renoux, Corinne Chadéneau, Jean-Marc Muller and Sébastien Papot*

The glucuronide prodrug **1** of the hedgehog signaling inhibitor cyclopamine was synthesized and evaluated as a potential selective antitumor agent for the treatment of glioblastoma.

COVER

Image of Antibacterial activities of urea and thiourea derivatives of 15-membered azalides in comparison to sulfonylurea analogs. 44/9, P3459-3470 by Mirjana Bukvić Krajačić, Predrag Novak, Miljenko Dumić, Mario Cindrić, Hana Čipčić Paljetak and Nedjeljko Kujundžić © 2009 Published by Elsevier Masson SAS

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