

1. Ramesh L. Sawant*, Varsha I. Sarode, Ganesh D. Jadhav and Jyoti B. Wadekar. Synthesis, molecular docking and cardioprotective activity of 2-methylthio-1, 4-dihydropyrimidines. *Medicinal Chemistry Research*. Vol. 21(8), 1825-1832, (2012).DOI: 10.1007/s00044-011-9700-7.[IMPACT FACTOR – 1.271]

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In vitro anti-inflammatory potential and QSAR analysis of oxazolo/thiazolo pyrimidine derivatives

RL Sawant, CA Bansode, JB Wadekar - *Medicinal Chemistry Research*, 2013 - Springer
Twenty-six different benzylideneoxazolo/thiazolo (3, 2-a)-pyrimidine-6-carboxamide derivatives were synthesized and evaluated for their anti-inflammatory potential by protein denaturation method. The structures of title compounds were characterized by IR and NMR ...
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LS Reddy, TR Reddy, NCG Reddy, RB Mohan... - ..., 2013 - thieme-connect.com
Privileged medicinal scaffolds based on the structures of 4-phenyl-2-[3-(alkynyl/alkenyl/aryl) phenyl]-substituted pyrimidines have been synthesized via a single-step, three-component reaction of 3-(dimethylamino)-1-phenylprop-2-en-1-one (enaminone), 3 ...
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RN Solomyannii, SG Pil'ko, SR Slivchuk... - *Russian Journal of ...*, 2017 - Springer

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Slivchuk, VM Prokopenko, EB Rusimov, VS Drovarets, 2017, published in Zhurnal Obshchei
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Targeting PPAR-γ to design and synthesize antidiabetic
thiazolidines

RL Sawant, JB Wadkar, SB Khairat, HS Makasare - EXCEL Journal, 2018 - ncbi.nlm.nih.gov
A series of thiazolidine derivatives were designed by docking into PPAR-γ active site. The structure
of target was obtained from the protein data bank (PDB ID ("type": "entrez-protein", "attrs": {"text":
"P37231", "term_id": "13432234", "term_text": "P37231"}))P37231). A library of 200 molecules was ...
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Spectroscopic and theoretical investigation of conformational
changes of proteins by synthesized pyrimidine derivative and its
sensitivity towards FRET application

S Ghosh, D Singharoy, SC Bhattacharya - Spectrochimica Acta Part A ..., 2018 - Elsevier
Interest in synthesizing and characterizing (IR, NMR and HRMS spectroscopic methods) a
pyrimidine based Schiff-base ligand, 2-(2-(Anthracen-9-ylmethylene) hydrazinyl)-4, 6-
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ОП Шурко, ТТ Толстикова, ВФ Седуха - Успехи химии, 2016 - elibrary.ru
Представлены опубликованные сведения в основном последние два десятилетия по
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A series of 6-(4-methoxyphenyl)-4, 5-diphenyl-3, 4-dihydropyrimidin-2 (1H)-thiones were
synthesized by one-pot reaction. The cyclocondensation of aryl methyl ketone, arylaldehyde
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ЛМ Синеговская, ВА Шагин, ЕП Леванова... - Chemistry of ..., 2014 - hgs.osi.lv

Abstract The reaction of S-(2-chloroprop-2-en-1-yl) isothiuronium chloride with acetylacetone in glacial acetic acid was studied using the methods of quantum chemistry and UV, IR spectroscopy. In the framework of DFT (B3LYP) method, the influence of solvent ...

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LM Sinigovskaya, VA Shagin, EP Levanova... - Chemistry of ..., 2014 - Springer

The reactions of S-(2-chloroprop-2-en-1-yl) isothiuronium chloride with acetylacetone in acetic acid were studied by the methods of quantum chemistry, as well as by UV and IR spectroscopy. The solvent effects on the thermodynamic and kinetic characteristics of 2-(2 ...

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РН Сопромный, СГ Пильо, СР Спичук... - Журнал общей химии, 2017 - elibrary.ru

Исследовано взаимодействие доступного 2-метилсульфонил-3-оксипиридина с аминами, их аналогами и динозотами, содержащими амидный фрагмент, которое приводит к неизвестным ранее 4-амин-5-метилсульфонилпиридинам и их ...

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[HTML] [Synthesis and analgesic activity of novel hydrazide and hydrazine derivatives](#)

MN Koopaei, MJ Asarzadeh, A Almasladi... - Iranian Journal of ..., 2013 -.ncbi.nlm.nih.gov

The uses of non-steroidal anti-inflammatory drugs (NSAIDs) are limited by a variety of side effects. So research on preparing new analgesic agents is important. According to some reports about the analgesic activity of hydrazide and hydrazine derivatives a new series of ...

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A Al-Harazi, L Ali, J Hussain, NU Rehman... - Asian Pacific Journal of ..., 2014 - Elsevier

Objective To investigate the analgesic effect of Boswellia sacra (B. sacra), which could support the Omani traditional uses of frankincense for muscle, stomach, and arthritis pain. **Methods** The crude extract, the essential oils and various sub-fractions of the crude ...

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Sulfonic acid functionalized SBA-15 (SBA-Pr-SO₃H) with pore size 6 nm as an efficient heterogeneous nanoporous solid acid catalyst exhibited good catalytic activity in the Biginelli-like reaction in the synthesis of spiroheterobicyclic rings with good yield and good ...

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DR Godhani, PB Dobariya, AA Jogel... - Medicinal Chemistry ... 2014 - Springer

Abstract Several new substituted 1, 2, 3, 4-tetrahydropyrimidine derivatives 2a-h have been synthesized by the modified Biginelli and Hantzsch reactions and compounds were characterized by spectral techniques. All compounds were evaluated for their in vitro ...

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EA Soylem, MG Assy, GM Morsi - Acta Chimica Slovenica, 2016 - journals.matheo.si

A series of pyrimidine and thiazine derivatives synthesized by one pot reaction of cyclopentanone with a mixture of an aromatic aldehyde namely o-anisaldehyde and different ureas namely urea, guanidine and thiourea, respectively. Furthermore ...

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HMF Madkour, KA Kandeel, MS Salem... - International Journal of ..., 2014 - Citeseer

Arylidenes have been utilized as a scaffold for synthesis of different heterocyclic compounds such as thiazolo [3, 2-a] pyridine, pyridinium salt of pyrano [2, 3-d] pyrimidine and 2-thioxotetrahydropyrimidine derivatives. The effect of acidic medium, different nucleophiles ...

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Alkyl and acyl derivatives of 3, 4-dihydropyrimidin-2 (1H)-thiones were synthesized in good to excellent yields in the presence of Cs₂CO₃, a mild base. The method evidences a selective S-alkylation when using acyl chlorides as efficient acylating agents at room ...

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[citation] Synthesis of novel heterocyclic 2-(2-ylidene) malononitrile derivatives

H Beyzaei, R Aryan, M Gomroki - Organic Chem: An Intl J, 2014

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A Pekparlak, Ö Tamer, SD Karimazalp, N Berber... - Journal of Molecular ..., 2018 - Elsevier

A multicomponent reaction between ethyl 3-aminocrotonate, phenyl isothiocyanates, 2, 2-dichloroacetyl chloride and to give 6-thioxo-1, 6-dihydropyrimidine-5-carboxylate. This one-pot, three-component condensation took place under mild conditions in THF/CH₃ CN at 50° ...

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I Chnili, H Maouati, MAK Sanhoury... - Synthetic ..., 2017 - Taylor & Francis

ABSTRACT A series of new S-methyl O-fluoroalkyl N-alkyl (aryl) imidothiocarbonates were prepared by S-methylation of various fluoroalkylated thiocarbamates with methyl iodide in the presence of cesium carbonate and tetrabutylammonium iodide (TBAI) in tetrahydrofuran ...

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ОП Шкурко, ТГ Толстикова, ВФ Седова - Успехи химии, 2016 - e-library.ru

Представлены опубликованные сведения в основном последних двух десятилетий по разнообразным видам биологической активности 5-функционально-замещенных 3, 4-дигидропиримидин-2-онов, их аналогов-2-тионов и 2-имидов, а также сложных ...

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In the present study, the experimentally observed regioselectivity in pyrimido [4, 5-b][1, 4] benzothiazine synthesis has been modeled using density functional theory method at M06/6-311++ G** level. Also the tautomerism of all four tautomers of 6-ethyl-2-thio (1 H) pyrimidin

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[HTML] The potential of Eucheumacottonii extract as a candidate for fish anesthetic agent

N Purbosari, E Warsiki, K Syamsu, J Santoso - Aquaculture and Fisheries, 2021 - Elsevier

Red seaweed species Eucheumacottonii was thought to have potential as an anesthetic agent because it is shown to contain compounds with bioactivity as antimicrobial, antifungal, and also anticancer. There have been no studies regarding the active ingredients of ...

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