

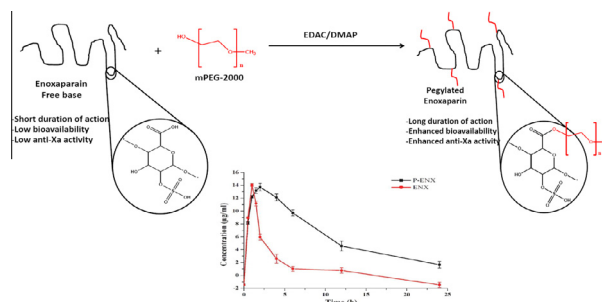
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Regular Articles

Development and evaluation of PEGylated Enoxaparin: A novel approach for enhanced anti-Xa activity

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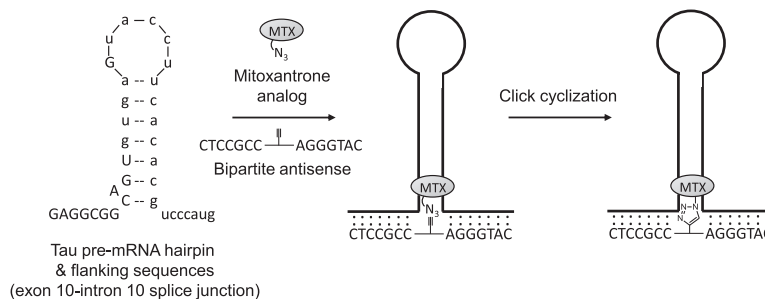
Anupam Kumar Choubey, Chander Parkash Dora, Tara Dutt Bhatt, Manjinder Singh Gill and Sarasija Suresh*



Template-directed synthesis of a small molecule-antisense conjugate targeting an mRNA structure

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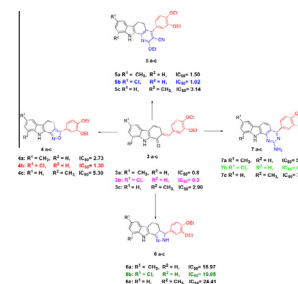
Yang Liu, Lilia Rodriguez and Michael S. Wolfe*



Solvent-free synthesis of heteroannulated carbazoles: A novel class of anti-tumor agents

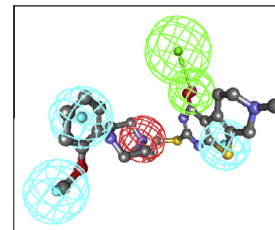
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Leena Vairavelu, Matthias Zeller and K.J. Rajendra Prasad*

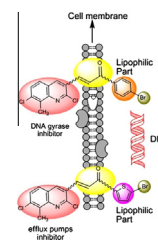


Molecular design and synthesis of 1,4-disubstituted piperazines as α_1 -adrenergic receptor blockers**pp 21–30**

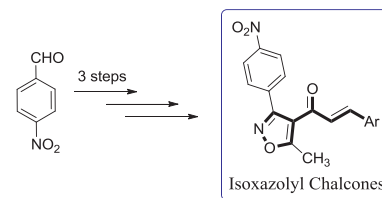
Dalal A. Abou El-Ella,* Mohammed M. Hussein, Rabah A.T. Serya, Rana M. Abdel Naby, Ahmed M. Al-Abd, Dalia O. Saleh, Wafaa I. El-Eraky and Khaled A.M. Abouzid*

**Synthesis, characterization, theoretical, anti-bacterial and molecular docking studies of quinoline based chalcones as a DNA gyrase inhibitor****pp 31–37**

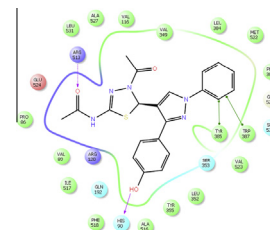
Muhammad Imran Abdullah,* Asif Mahmood, Murtaza Madni, Sara Masood and Muhammad Kashif

**Synthesis and evaluation of novel isoxazolyl chalcones as potential anticancer agents****pp 38–43**

Maosheng Wan, Linyan Xu, Li Hua, Ailing Li, Shuqing Li, Wenjing Lu, Yue Pang, Chengbo Cao,* Xiangguo Liu* and Peifu Jiao*

**1,3,4-Trisubstituted pyrazole analogues as promising anti-inflammatory agents****pp 51–59**

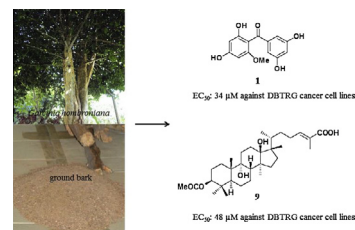
S.G. Alegaon,* K.R. Alagawadi, M.K. Garg, K. Dushyant and D. Vinod



Cytotoxic benzophenone and triterpene from *Garcinia hombroniana*

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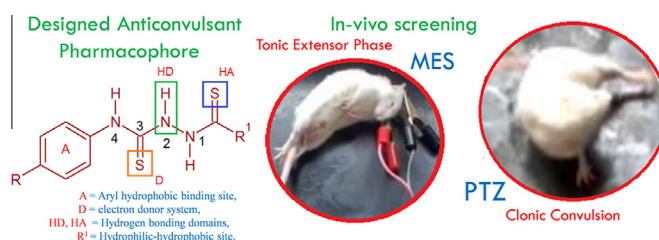
Nargis Jamila, Melati Khairuddean,* Nik Soriani Yaacob, Nik Nur Syazni Nik Mohamed Kamal, Hasnah Osman, Sadiq Noor Khan and Naeem Khan



Design, synthesis and biological evaluation of novel thiosemicarbazide analogues as potent anticonvulsant agents

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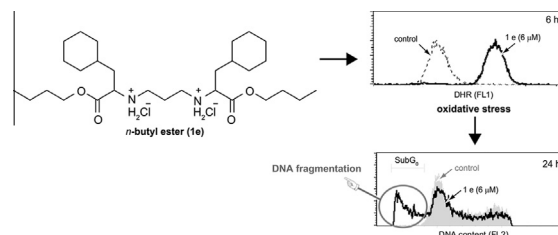
Reshma J. Nevagi,* Avinash S. Dhake, Harsha I. Narkhede and Prabhjeet Kaur



Synthesis, characterization and ROS-mediated cytotoxic action of novel (S,S)-1,3-propanediamine-N,N'-di-2-(3-cyclohexyl)propanoic acid and corresponding esters

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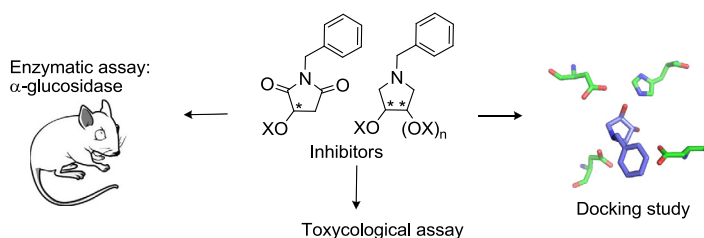
Aleksandar Savić, Sonja Misirlić-Denčić, Marija Dulović, Ljiljana E. Mihajlović-Lalić, Maja Jovanović, Sanja Grgurić-Šipka,* Ivanka Marković* and Tibor J. Sabo



3-Hydroxypyrrolidine and (3,4)-dihydroxypyrrolidine derivatives: Inhibition of rat intestinal α-glucosidase

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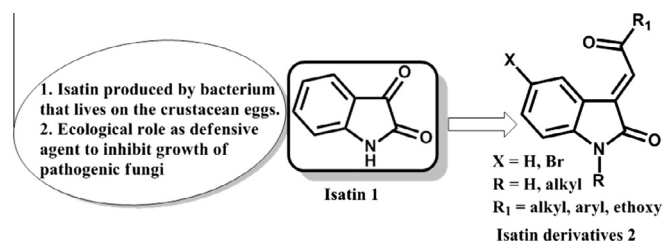
Elisabete P. Carreiro, Patrícia Louro, Gizé Adriano, Romina A. Guedes, Nicholas Vannuchi, Ana R. Costa, Célia M.M. Antunes, Rita C. Guedes and A.J. Burke*



Design and synthesis of marine natural product-based 1*H*-indole-2,3-dione scaffold as a new antifouling/antibacterial agent against fouling bacteria

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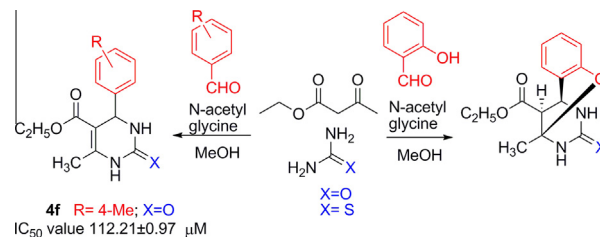
Mahesh S. Majik,* Cheryl Rodrigues, Stacey Mascarenhas and Lisette D'Souza



Novel synthesis of dihydropyrimidines for α -glucosidase inhibition to treat type 2 diabetes: *In vitro* biological evaluation and *in silico* docking

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Muhammad Yar,* Marek Bajda, Lubna Shahzadi, Sohail Anjum Shahzad,* Maqsood Ahmed, Muhammad Ashraf, Umber Alam, Islam Ullah Khan and Ather Farooq Khan

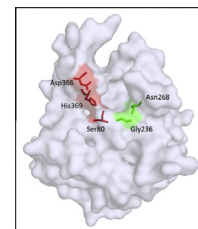


Review Article

Chemical biology of peptidoglycan acetylation and deacetylation

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Patrick J. Moynihan, David Sychantha and Anthony J. Clarke*



*Corresponding author