



Contents lists available at ScienceDirect

Bioorganic & Medicinal Chemistry Letters

journal homepage: www.elsevier.com/locate/bmcl



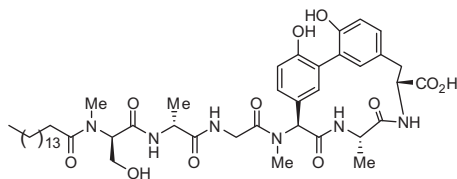
Bioorganic & Medicinal Chemistry Letters Volume 24, Issue 2, 2014

Contents

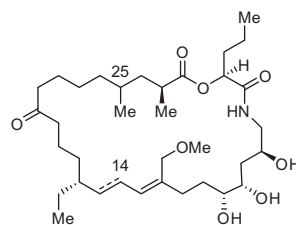
BMCL DIGESTS

New natural products as new leads for antibacterial drug discovery

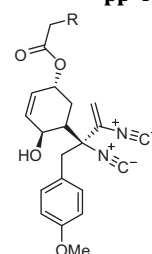
Dean G. Brown*, Troy Lister, Tricia L. May-Dracka



1, Arylomycin A-C₁₆



6, Myxovirescin A1, C-14 C=C, C-25 = (R)
7, Myxovirescin A2, C-14 C=C, C-25 = (S)
8, Dihydromyxovirescin = C-14 C-C, C-25 = (R)



21, MDN-0058, R = OH
22, MDN-0060, R = H

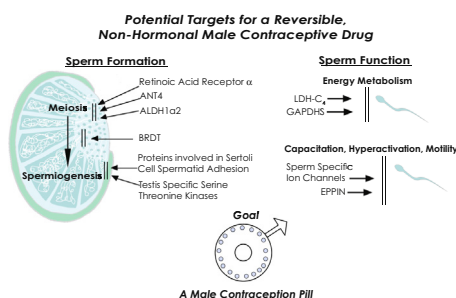
pp 413–418

Natural products have been a rich source of antibacterial drugs for many decades, but investments in this area have declined over the past two decades. The purpose of this review article is to provide a recent survey of new natural product classes and the mechanisms by which they work.

Male contraception: Another holy grail

Fern E. Murdoch, Erwin Goldberg*

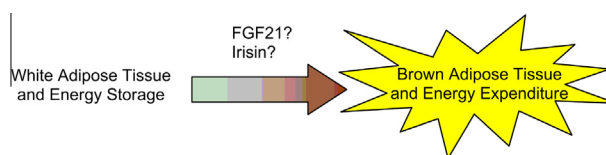
pp 419–424



Modulation of adipose tissue thermogenesis as a method for increasing energy expenditure

Matthew F. Sammons*, David A. Price

pp 425–429

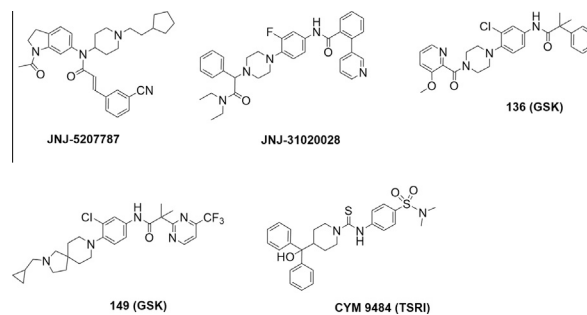


Ligands of the neuropeptide Y Y2 receptor

Gopi Kumar Mittapalli, Edward Roberts*

pp 430–441

Neuropeptide Y (NPY) is one of the most abundant neuropeptides in the mammalian brain and exerts a variety of physiological processes in humans via four different receptor subtypes Y1, Y2, Y4 and Y5. Y2 receptor is the most abundant Y subtype receptor in the central nervous system and implicated with food intake, bone formation, affective disorders, alcohol and drugs of abuse, epilepsy, pain, and cancer. The lack of small molecule non-peptidic Y2 receptor modulators suitable as *in vivo* pharmacological tools hampered the progress to uncover the precise pharmacological role of Y2. Only in recent years, several potent, selective and non-peptidic Y2 antagonists have been discovered providing the tools to validate Y2 receptor as a therapeutic target. This Letter reviews Y2 receptor modulators mainly non-peptidic antagonists and their structure–activity relationships.

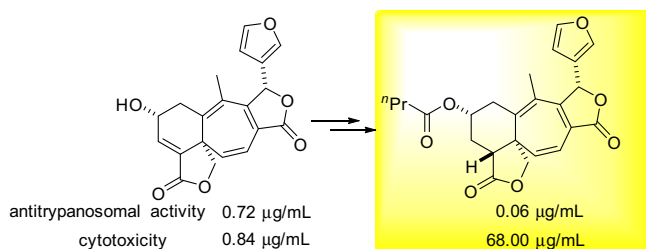


REGULAR ARTICLES

Semisynthesis of salviandulin E analogues and their antitrypanosomal activity

pp 442–446

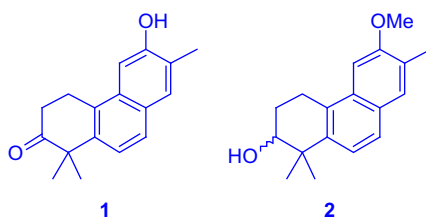
Yutaka Aoyagi*, Koji Fujiwara, Akira Yamazaki, Naoko Sugawara, Reiko Yano, Haruhiko Fukaya, Yukio Hitotsuyanagi, Koichi Takeya*, Aki Ishiyama, Masato Iwatsuki, Kazuhiko Otoguro, Haruki Yamada, Satoshi Ōmura



Trinorditerpenes from the roots of *Flueggea virosa*

pp 447–449

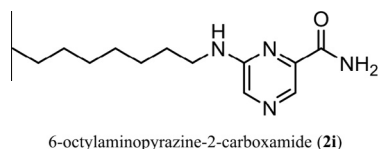
Chih-Hua Chao*, Ju-Chien Cheng, Tsong-Long Hwang, De-Yang Shen, Tian-Shung Wu*



Alkylamino derivatives of pyrazinamide: Synthesis and antimycobacterial evaluation

pp 450–453

Barbora Servusová*, Pavla Paterová, Jana Mandíková, Vladimír Kubíček, Radim Kučera, Jiří Kuneš, Martin Doležal, Jan Zitko*



6-octylaminopyrazine-2-carboxamide (2i)

Data for <i>M. tuberculosis</i> H37Rv			
Comp.	MIC ($\mu\text{g/mL}$)	MIC (μM)	SI
2i	1.56	6	25.78



Download English Version:

<https://daneshyari.com/en/article/10592882>

Download Persian Version:

<https://daneshyari.com/article/10592882>

[Daneshyari.com](https://daneshyari.com)