Contents lists available at ScienceDirect

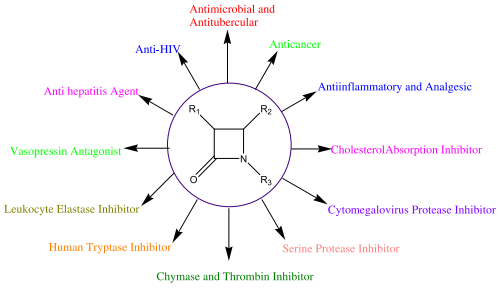
European Journal of Medicinal Chemistry

journal homepage: http://www.elsevier.com/locate/ejmech

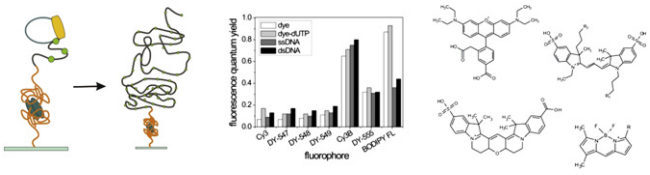
European Journal of Medicinal Chemistry Vol 45, No 12, 2010

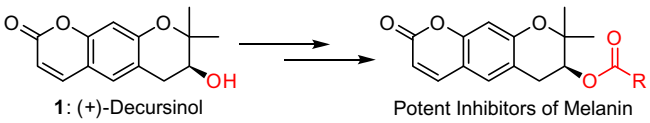
Contents

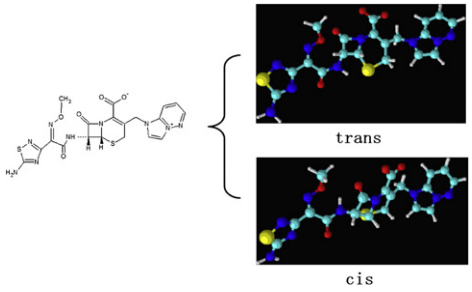
MINI-REVIEW

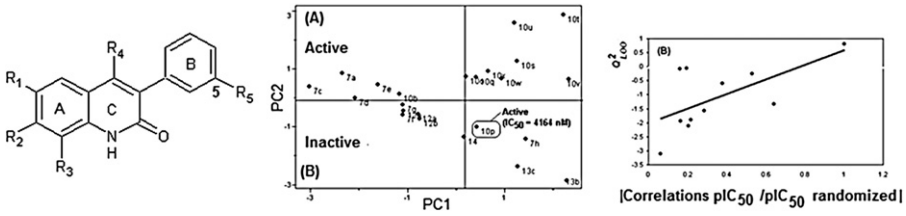


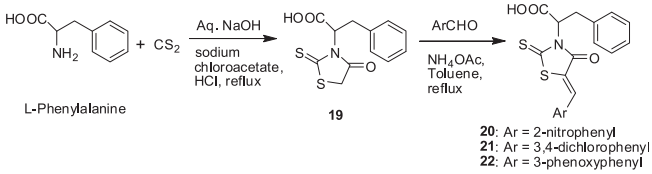
ORIGINAL ARTICLES

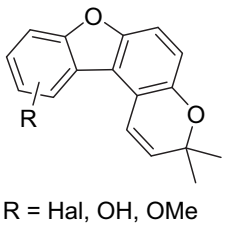


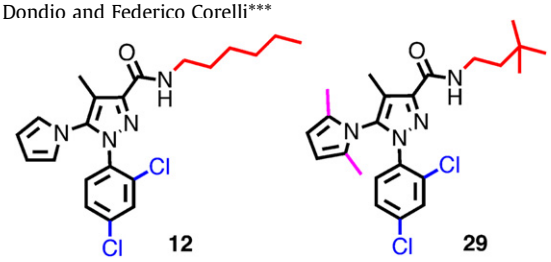


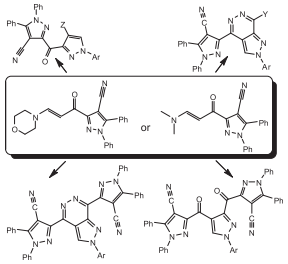




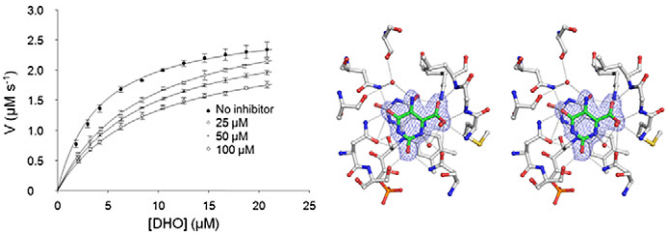


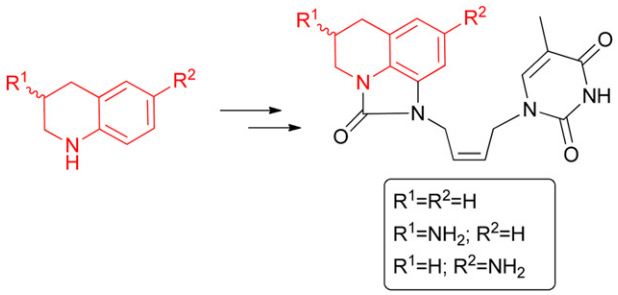


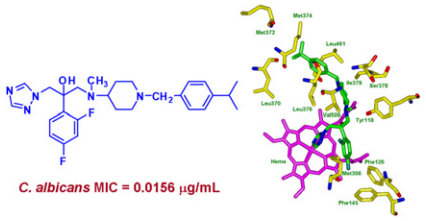


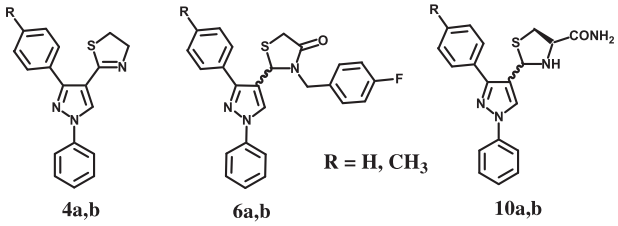


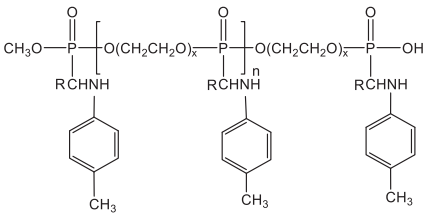
Orthogonal validation of ITC nonlinear least squares fit of Michaelis–Menten curves and X-Ray data for 5-aminoorotic acid competitive inhibition.

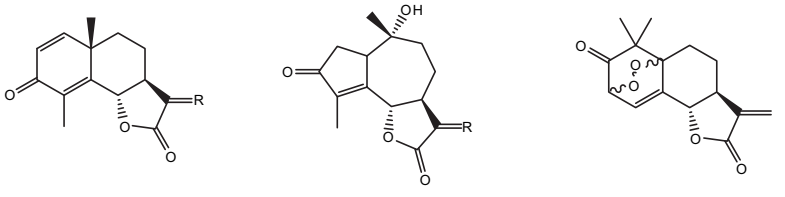


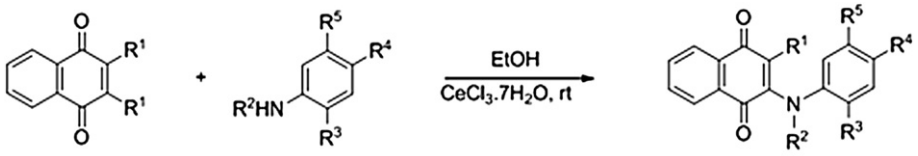




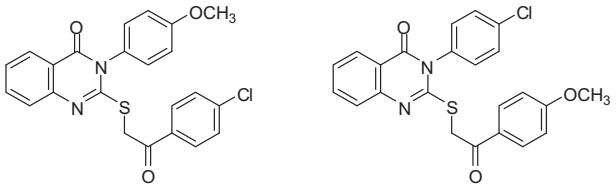






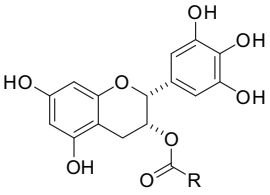


1 R^1= H
2 R^1= Cl



3b **3d**

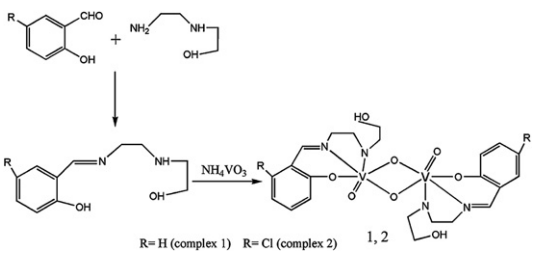
Introduction of fatty acid to the C3-O position of (–)-epigallocatechin increases the potency for the inhibition of steroid 5α-reductase.



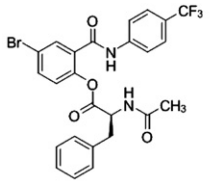
3-*O*-acylated (-)-epigallocatechin

RCOOH:	IC_{50} for 5α-reductase inhibition
HOOC$-(CH_2)_{14}-$	0.53 μM
HOOC$-(CH_2)_7-CH=CH-(CH_2)_5-$	0.48 μM
gallic acid	6.29 μM

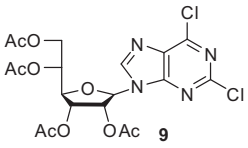
The effect of the chloro-substitution of dinuclear vanadium (V) complexes on lowering diabetic hyperglycemia was the chloro substituent may be increased the insulin-enhancing properties of the complex 2.



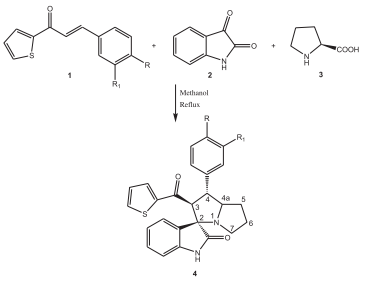
SHORT COMMUNICATIONS

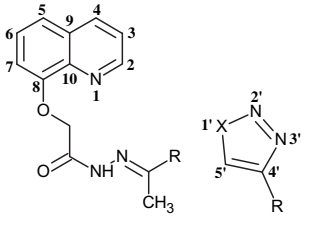


MIC = 0.25 - 2 μmol/L against *M. tuberculosis* including MDR-TB
MIC = 3.9 - 7.81μmol/L against *Trichophyton mentagrophytes*
SI = 24.1 - 194.8



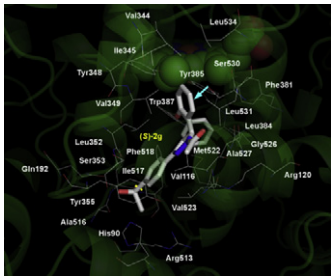
9

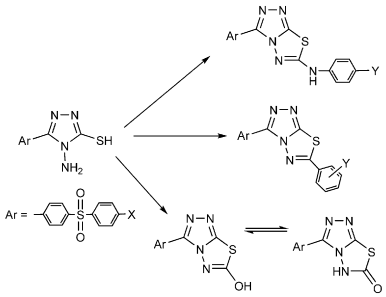




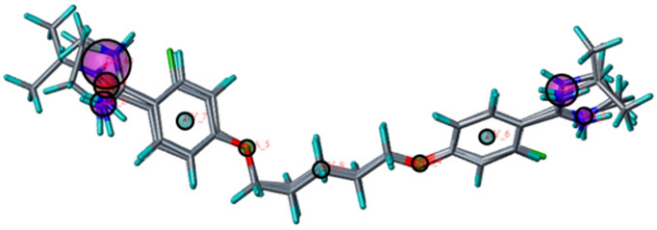
(**2-7**) (**8-19**)

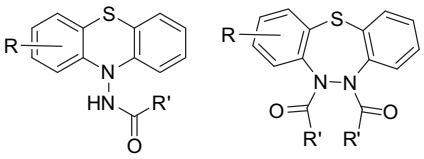
X = S, Se





PRELIMINARY COMMUNICATIONS





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

* Corresponding authors.

Cited/Abstracted in : Biological Abstracts, Chemical Abstracts, CABS, CNRS/Pascal, Current Contents (Life Sciences), EMbase, Index Medicus/Medline, Science Citation Index. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®.

ISSN 0223-5234

ELSEVIER