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Bioorganic & Medicinal Chemistry

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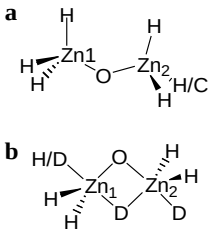
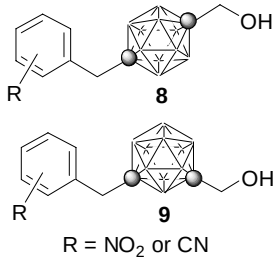
Contents

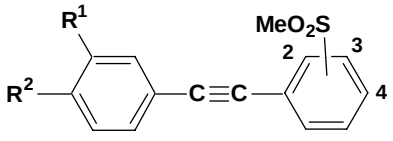
ARTICLES



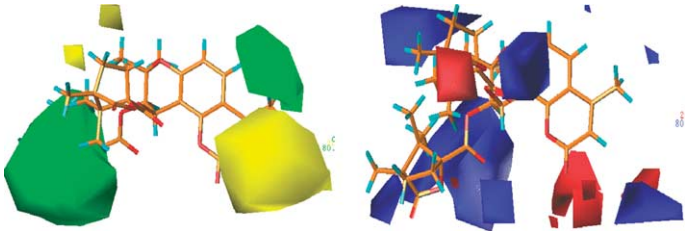
Two models of pneumococcal phosphorylcholine esterase (Pce) with a binuclear Zn-binding site are proposed according to mutational studies.

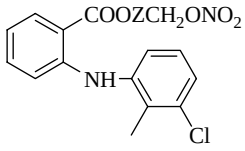


We designed and synthesized novel androgen receptor antagonists such as **8** or **9** bearing a carborane moiety.

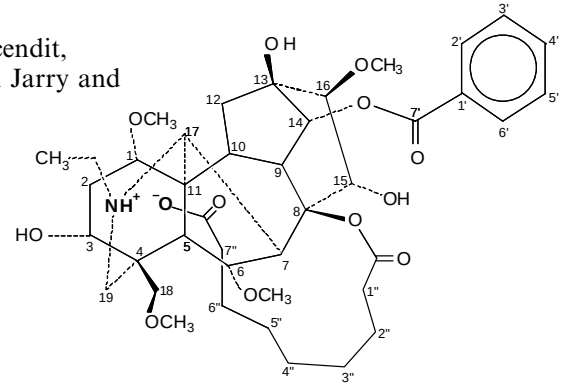


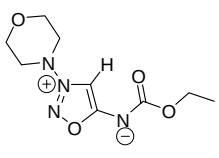
R^1 = H, F, OMe, OH, OAc; R^2 = H, Me



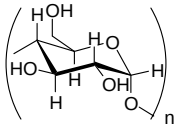


Z=$(CH_2)_n$ n= 1, 2, 3
Z=$CH_2C(CH_3)_2$
Z=$CH(CH_2ONO_2)$

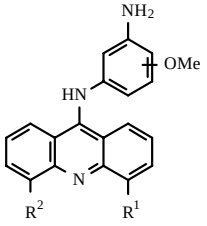




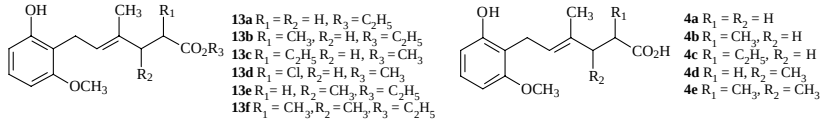
molsidomine



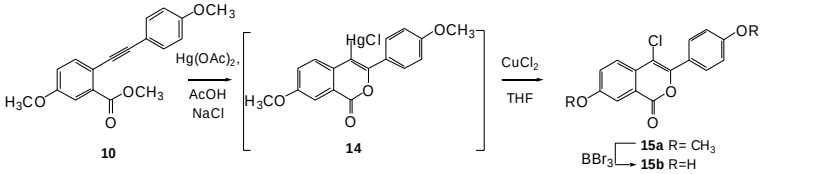
n=6 α-CD
n=7 β-CD
n=8 γ-CD

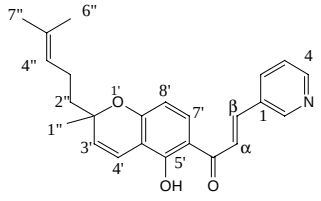


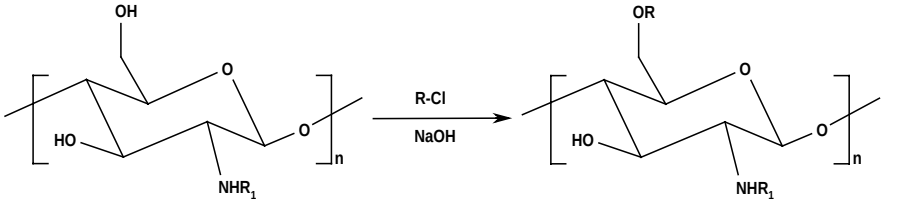
R^1, R^2 = H, Me, CONHMe, $CONH(CH_2)NMe_2$

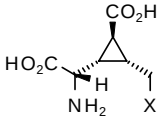


The synthetic methodology reported here allows the preparation of mycophenolic acid analogues bearing alkyl substituents at the α- and β-positions on the side chain.

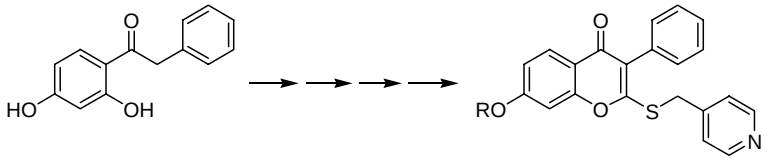








The synthesis of a series of C3′-*cis*-substituted carboxycyclopropyl glycines bearing a wide variety of functional groups is described, and the structure–activity relationship for this series as agonists of group II metabotropic glutamate receptors is reported.



OTHER CONTENTS

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

COVER

2005: Human liver glycogen phosphorylase A (HLGPa) is an attractive target enzyme for discovering anti-type 2 diabetes drugs. This picture shows the interaction model for a series of indole-2-carboxamides to HLGPa derived from molecular docking simulations [Liu, G.; Zhang, Z.; Luo, X.; Shen, J.; Liu, H.; Shen, X.; Chen, K.; Jiang, H. *Bioorg. Med. Chem.* **2004**, *12*, 4147–4157].

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