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Bioorganic & Medicinal Chemistry Letters

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Contents

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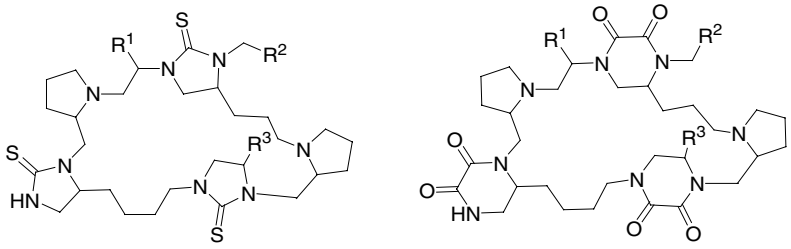
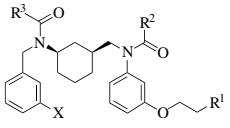
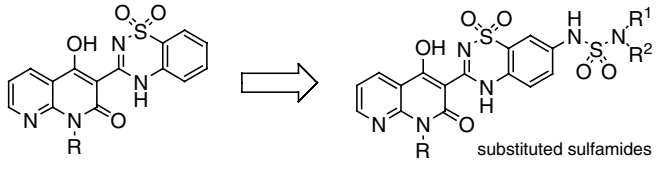
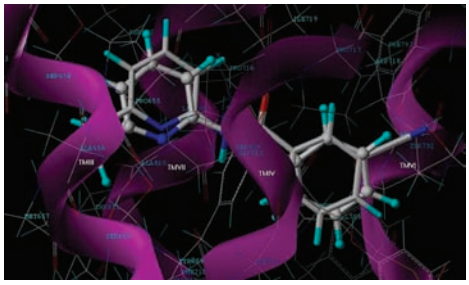
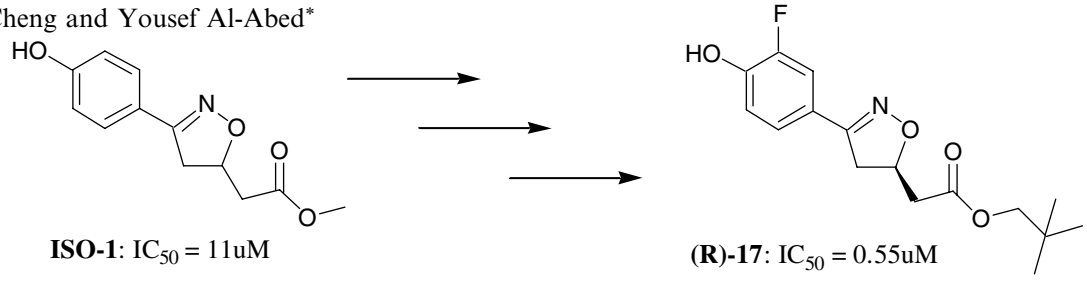
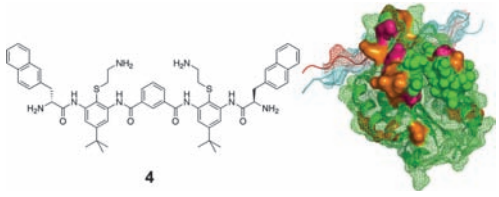


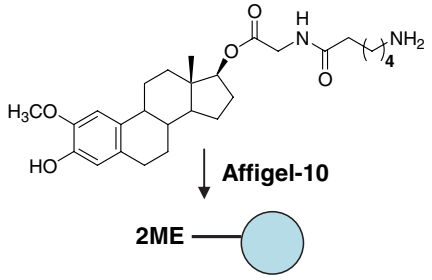


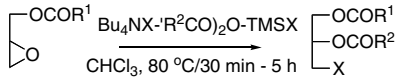






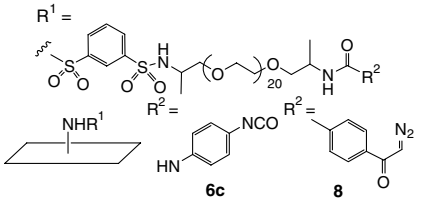




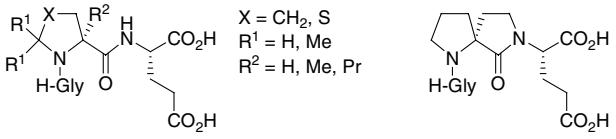


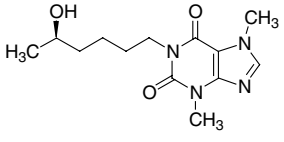
R^1 and R^2 = long chain fatty acid residue; X =Cl, Br, or I

Efficient synthesis of diacyl-halo-*sn*-glycerols is reported.

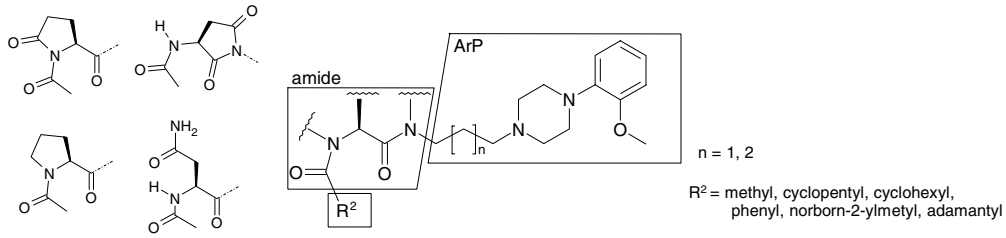


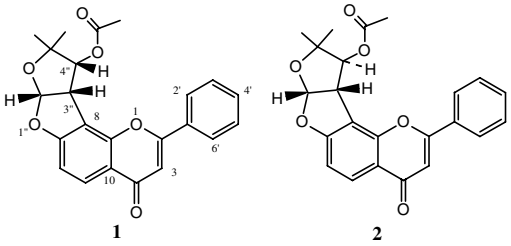
Novel linkers and an efficient detection method of bound proteins for small-molecule microarray are reported.

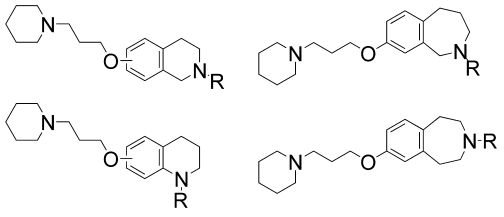


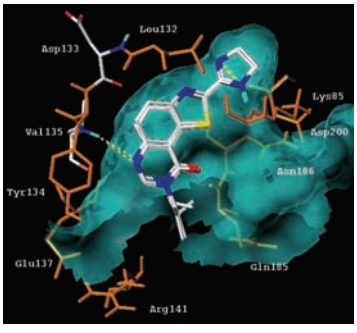


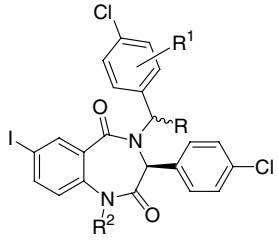
The LSF analogs were synthesized and evaluated for apoptosis protection, the effect on insulin release and metabolic stability.

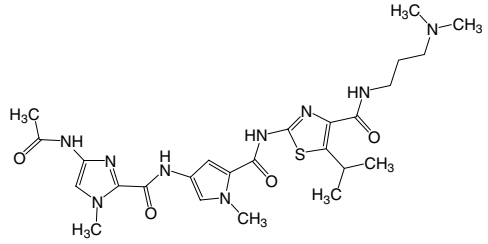




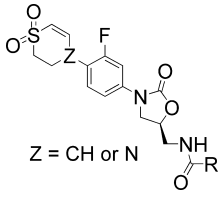




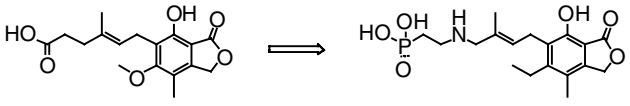




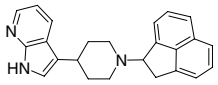
Thiazotropsin B binds to the sequence (A/T)CGCG(T/A).



A new series of oxazolidinone analogs bearing unsaturated sulfur-containing C-rings is described. New synthetic approaches to the dihydrothiazine ring system are also disclosed.

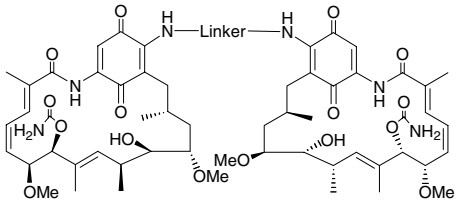


The design, synthesis, and IMPDH inhibitory activity of a series of phosphonic acid-containing analogues of mycophenolic acid are described.

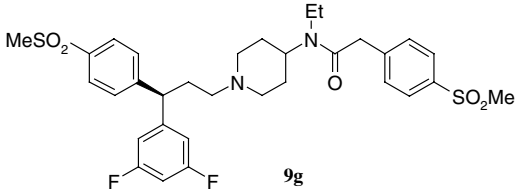


ORL-1 Ki = 4 nM

The synthesis and biological evaluation of a series of 3-(4-piperidinyl)indoles and 3-(4-piperidinyl)pyrrolo[2,3-*b*]pyridines afforded compounds with high ORL-1 affinity.

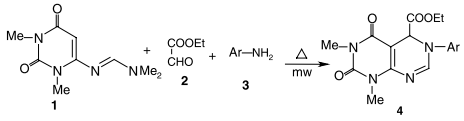


The synthesis and evaluation of several Hsp90 chemical modulators is reported.

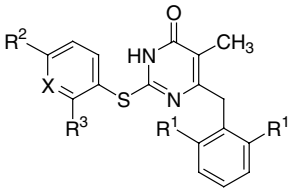


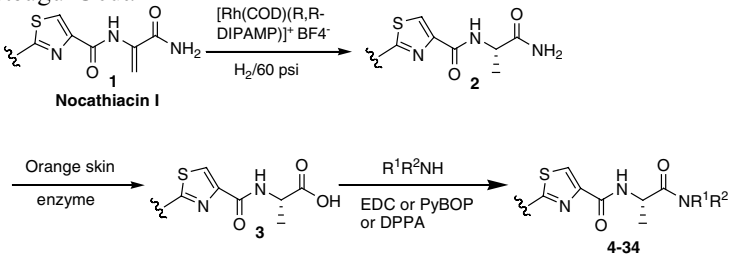
9g

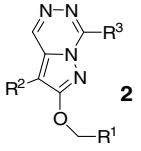
SAR and PK studies led to the identification of compound **9g** as a highly potent and selective ligand for the human CCR5 chemokine receptor with good oral pharmacokinetic properties.

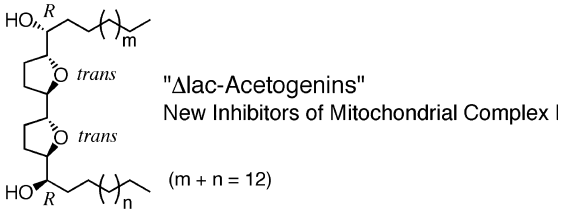


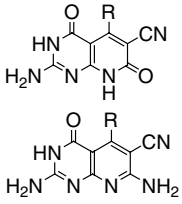
Electron-rich 6-[(dimethylamino)methylene]amino uracil **1** undergoes [4+2] cycloaddition reactions with various in situ generated glyoxylate imine and imine oxides to provide novel pyrimido[4,5-*d*]pyrimidine derivatives of biological significance, after elimination of 1,3-dimethylamine from the (1:1) cycloadducts and oxidative aromatisation.



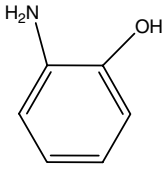




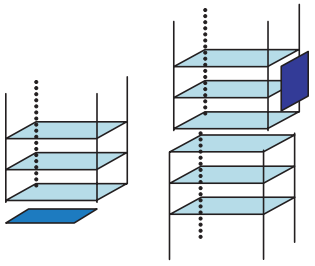




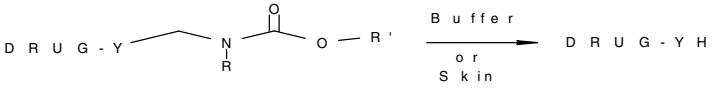
The synthesis of pyrido[2,3-*d*]pyrimidine derivatives as new potential inhibitors of Cdk4 is reported.



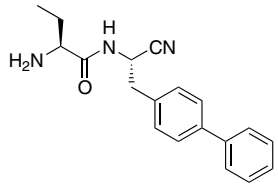
The ortho hydroxy-amino group can be used as another choice for synthesizing novel antioxidants?



The different interaction modes of monomeric and dimeric G-quadruplexes with quercetin are reported.



The ability of *N*-alkyl-*N*-alkyloxycarbonylaminomethyl promoiety to act as soft alkylating agent and its influence in increasing membrane permeation for phenols, imides and thiols have been probed.



IC_{50} (DPPI) = 13 nM

OTHER CONTENTS

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

COVER

View of the crystal structure of the DB819-d(CGCGAATTCGCG)$_2$ complex, looking down the minor groove of the DNA (see Campbell, N.H.; Evans, D.A.; Lee, M.P.H.; Parkinson, G.N.; Neidle, S. *Bioorg. Med. Chem. Lett.* **2006**, *16*, 15.). The DB819 molecule is shown in space-filling mode. Visualisation produced with the VMD program. [Humphrey, W.; Dalke, A.; Schulten, K. *J. Mol. Graphics* **1996**, *14*, 33.]

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