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Chemistry

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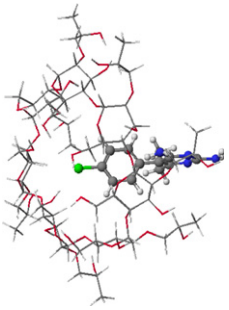
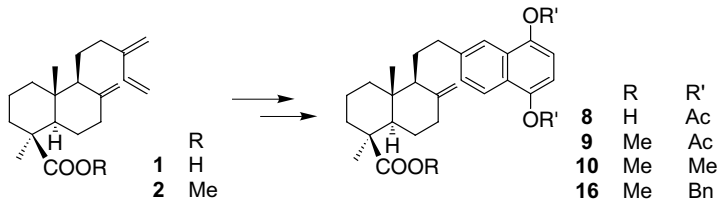
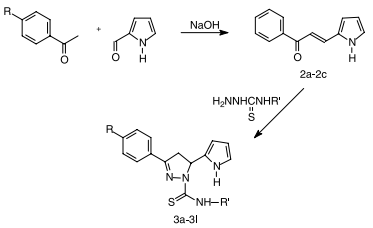
Contents

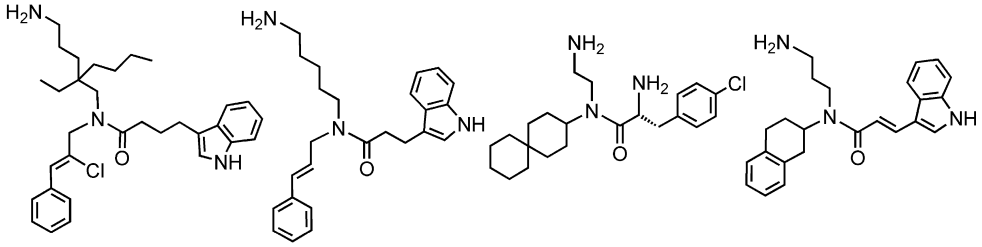
ARTICLES



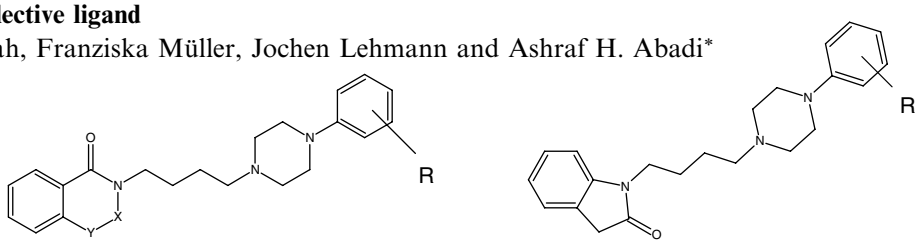


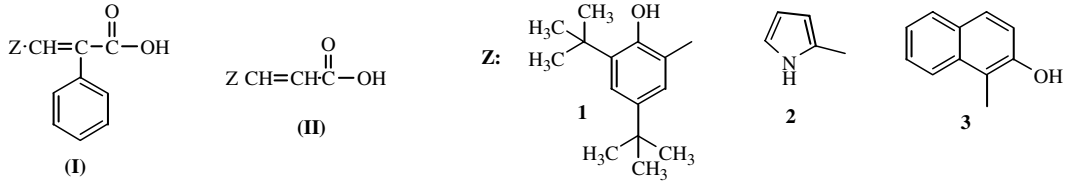


3a, R= CH_3, R'=CH_3; **3b**, R= CH_3, R'=C_2H_5; **3c**, R= CH_3, R'=C_3H_5; **3d**, R= CH_3, R'=C_6H_5; **3e**, R=Cl, R'=CH_3; **3f**, R= Cl, R'=C_2H_5; **3g**, R= Cl, R'=C_3H_5; **3h**, R= CH_3, R'=C_6H_5; **3i**, R= OCH_3, R'=CH_3; **3j**, R= OCH_3, R'=C_2H_5; **3k**, R= OCH_3, R'=C_3H_5; **3l**, R=OCH_3, R'=C_6H_5.

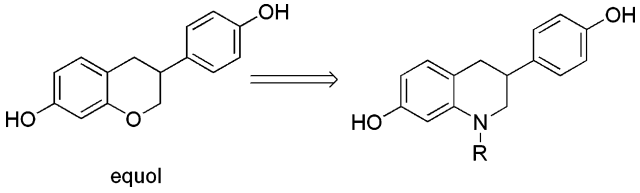


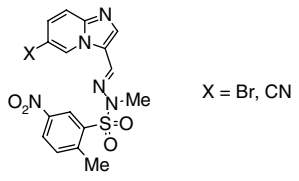
Two hundred and ten substances have been synthesized and tested, reaching submicromolar affinity.

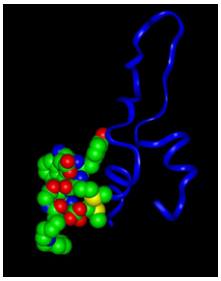


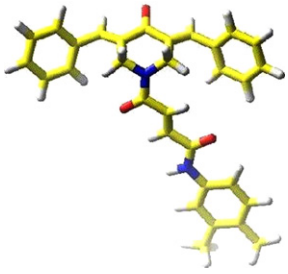


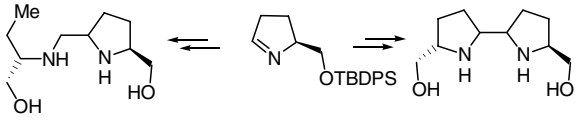
Synthesis, anti-inflammatory, lipoxygenase inhibition, and antioxidant activities of compounds of the type **I** and **II** are reported.

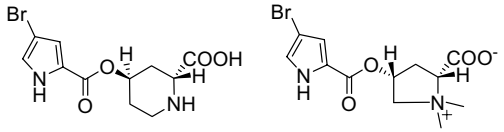




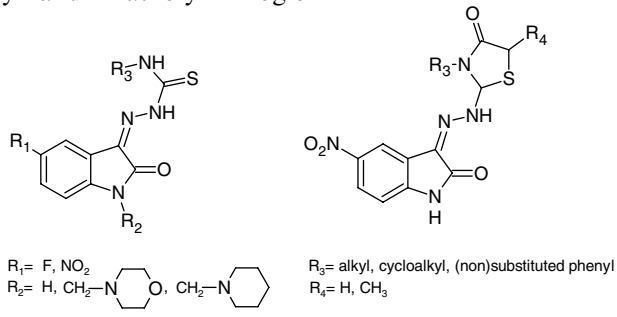


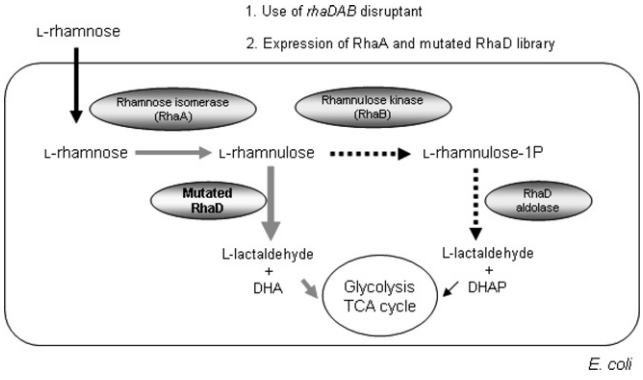


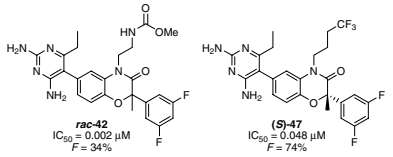




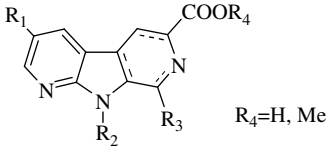
Damipipecolin (**1**) and damituricin (**2**) were isolated from the Mediterranean sponge *Axinella damicornis*. These compounds were found to display a modulating effect of the serotonin receptor activity in vitro.



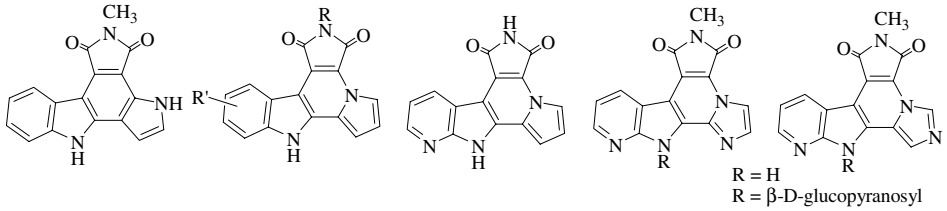


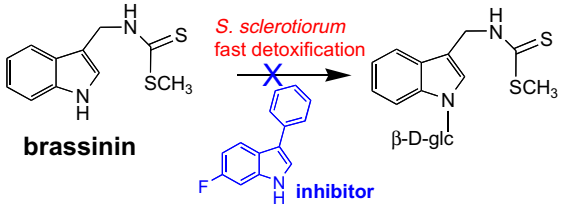


We report the design and synthesis of a series of 6-(2,4-diaminopyrimidinyl)-1,4-benzoxazin-3-ones that are orally bioavailable small molecule inhibitors of renin.

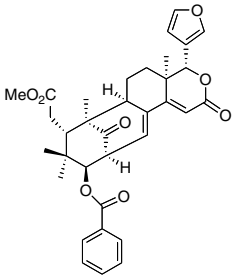


New class of substituted-triaza-fluorene-6-carboxylic acid derivatives were prepared as β-carboline analogs and screened in vitro for glucose-dependent insulinotropic activity.





Among potential inhibitors of brassinin detoxification in *Sclerotinia sclerotiorum*, 6-fluoro-3-phenylindole inhibited brassinin glucosylation almost completely, indicating that selective inhibitors of BGT can be developed to control this major plant pathogen.



erythrocarpine A

OTHER CONTENTS

*Corresponding author
Supplementary data available via ScienceDirect

COVER

Terfenadine (an antihistamine pulled from the market in 1997) bound to a model of an open form of the homo-tetrameric pore domain of hERG, produced using Schrödinger's "Induced Fit Docking" technology [Farid, R.; Day, T.; Friesner, R. A.; Pearlstein, R. A. *Bioorg. Med. Chem*. **2006,** *14*, 3160–3173].

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