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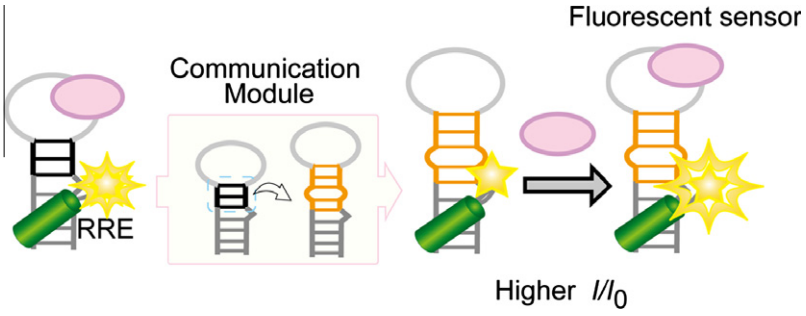
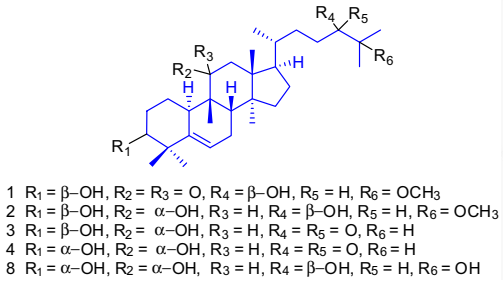
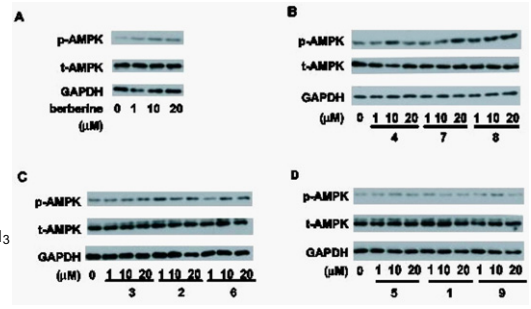
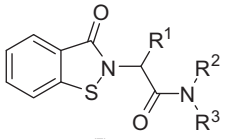
Contents

ARTICLES



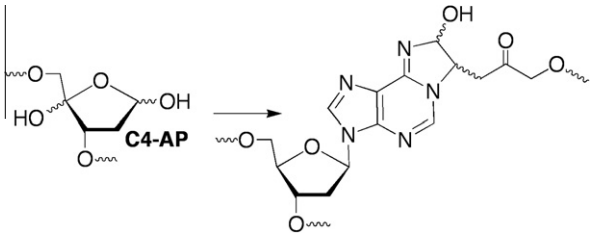


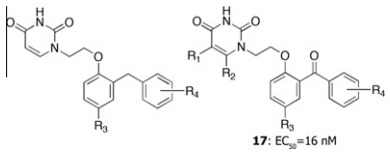


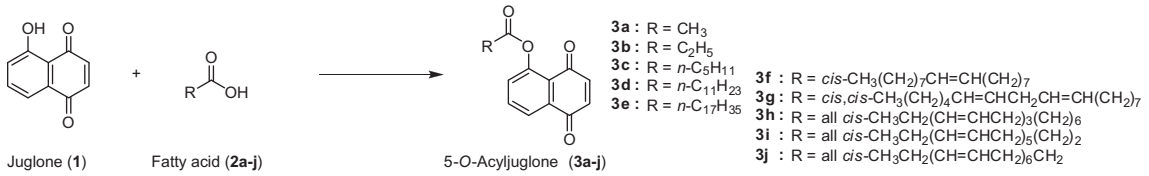


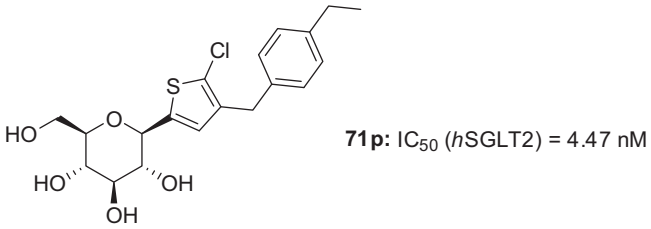
(I)

A series of broad-spectrum antifungal agents based on the 1,2-benzisothiazol-3(2*H*)-one scaffold is reported.

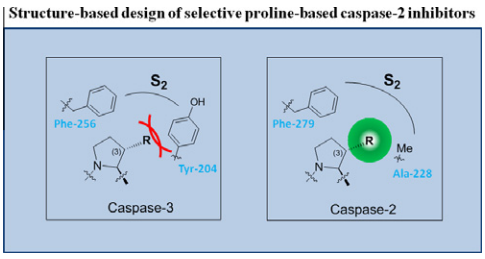


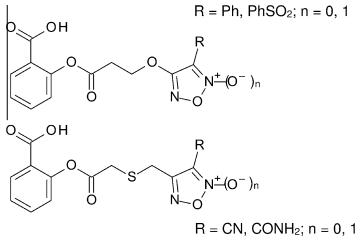




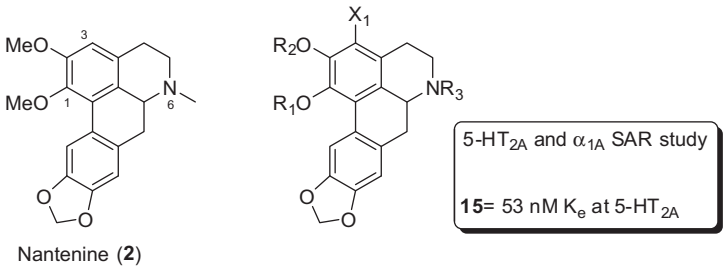


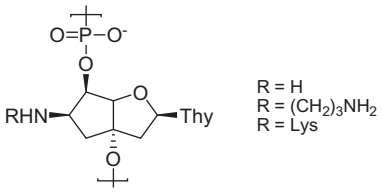
Novel thiophene *C*-aryl glucoside SGLT2 inhibitors were designed and synthesized. Two different types of thiophene derivatives were readily prepared. Among the compounds tested, ethylphenyl at the distal ring **71p** showed the best in vitro inhibitory activity in this series to date (IC_{50} = 4.47 nM) against SGLT2.

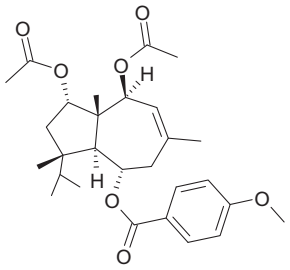


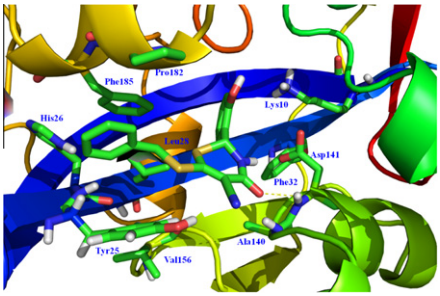


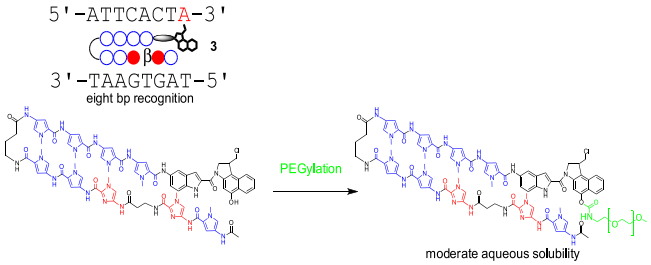
A new group of derivatives of salicylic acid containing NO-donor furoxans, and the related des-NO-furazans, were synthesized and evaluated as new aspirin-like molecules.

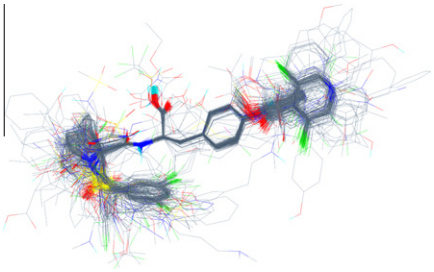


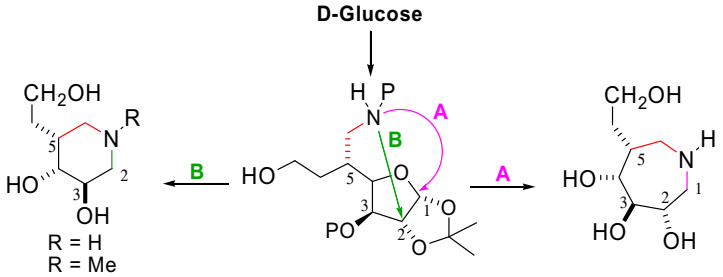












*Corresponding author
Supplementary data available via SciVerse ScienceDirect

COVER

The known veterinary anthelmintic and proton ionophore, closantel, was recently discovered to also exhibit potent chitinase inhibition activity and inhibit molting in the parasitic nematode, *Onchocerca volvulus*, the causative agent of the neglected tropical disease onchocerciasis. [C. Gloeckner, A. L. Garner, F. Mersha, Y. Oksov, N. Tricoche, L. M. Eubanks, S. Lustigman, G. F. Kaufmann, K. D. Janda, Repositioning of an existing drug for the neglected tropical disease Onchocerciasis, *Proc. Natl. Acad. Sci., U.S.A.* **2010**, *107*, 3424.]

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