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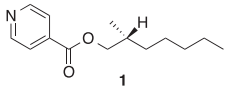
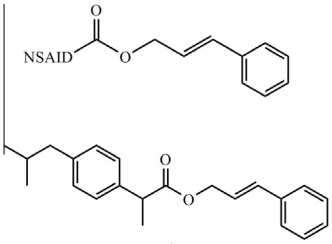
Contents

Regular Articles



1

A putative antibacterial and antifungal compound, (*R*)-2-methylheptyl isonicotinate, was synthesized via reductive alkylation of (*R*)-4-methyldihydrofuran-2(3*H*)-one. Conclusions drawn from structural characterisation data as well as bioassay results (with *Bacillus subtilis* or *Escherichia coli*) contradict those previously reported.



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Compound 1:

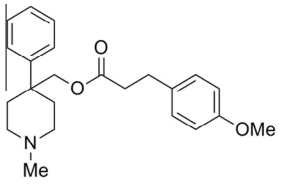
Paw oedema reduction: 46%

LOX inhibition: IC_{50} 6.7 μM

Reduction of lipidemic indices:

Plasma total cholesterol 53%

Plasma triglycerides 77.5%

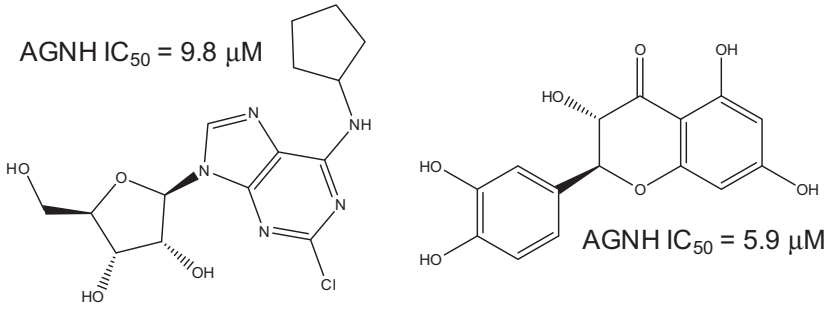


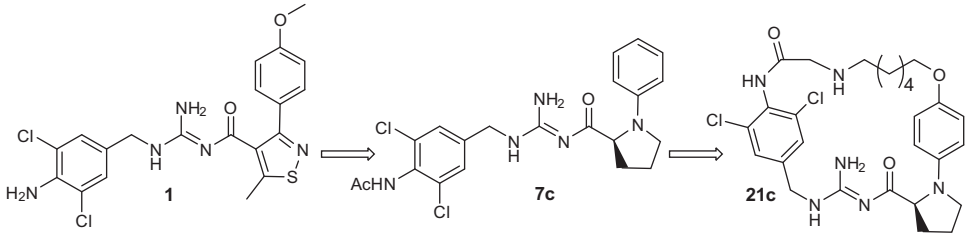
K_i (μM)

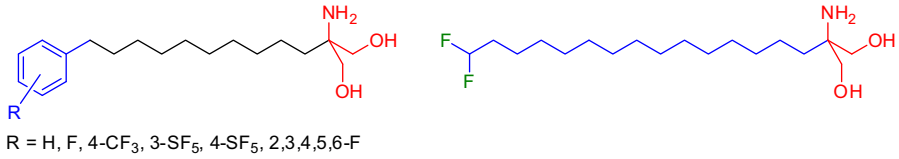
hM_1 0.67

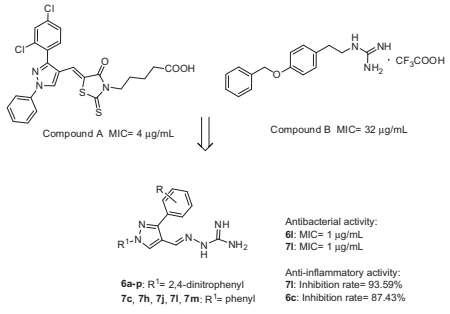
hM_3 0.37

hM_5 0.38









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