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A_{2B} adenosine receptor antagonists: Design, synthesis and biological evaluation of novel xanthine derivatives

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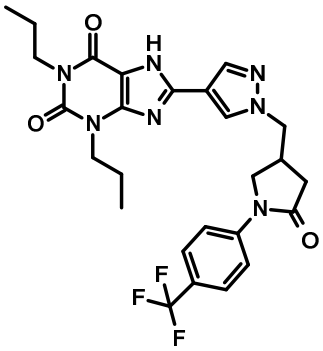
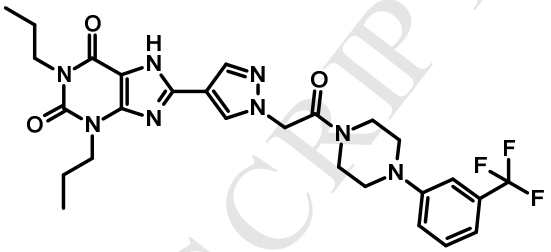
Graphical abstract



31

hA_{2B} binding K_i = 1.0 nM
hA_{2B} functional K_i = 0.9 nM
A_1/A_{2B} = 108 fold
%F = 27



65

hA_{2B} binding K_i = 1.5 nM
hA_{2B} functional K_i = 4.0 nM
A_1/A_{2B} = 118 fold
%F = 65
Showed efficacy in Ovalbumin treated mice