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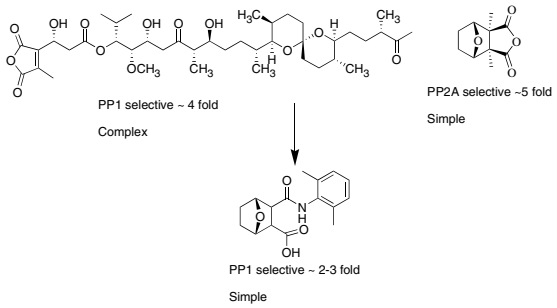
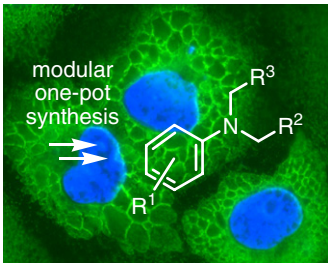
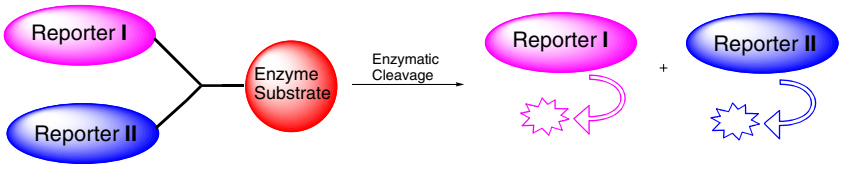
Contents

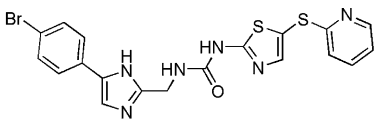
ARTICLES



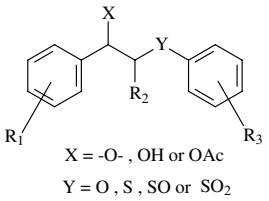
An efficient and modular one-pot synthesis of polysubstituted aromatic amines by a mild reductive amination procedure is described and the biological potential of these nitrogen-centered compounds is demonstrated by growth inhibition of murine connective tissue cells and microscopy-based morphological studies.

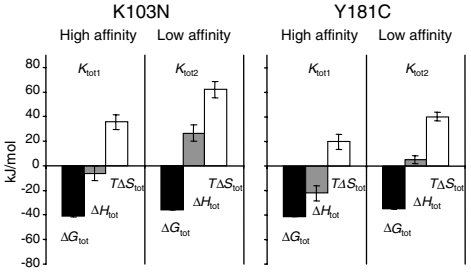


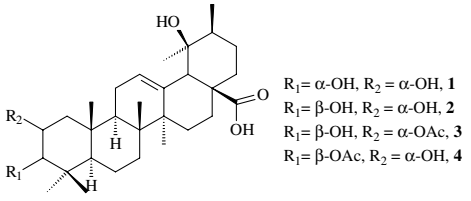




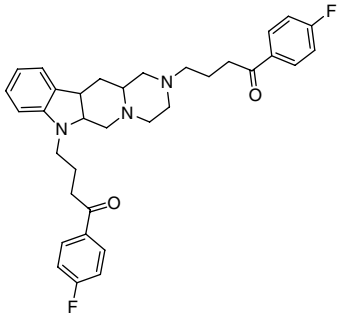
Streptococcus pneumoniae FabK IC_{50}= 2.4 nM
MIC_{50}=1 μg/mL, MIC_{90}=4 μg/mL (against 29 clinical isolates of *S. pneumoniae*)



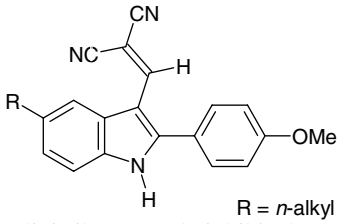


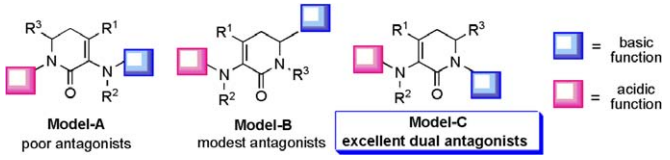


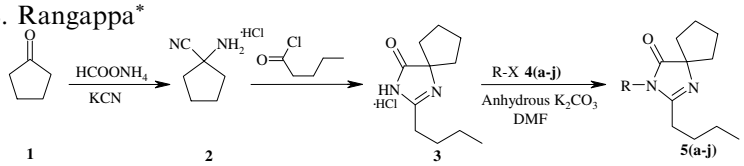
In vitro cytotoxicity of *Cecropia lyratiloba* triterpenoids, euscaphic acid (**1**), tormentic acid (**2**), 2α-acetyl tormentic acid (**3**), and 3β-acetyl tormentic acid (**4**) against K562 and K562/VCR leukemia cell lines.

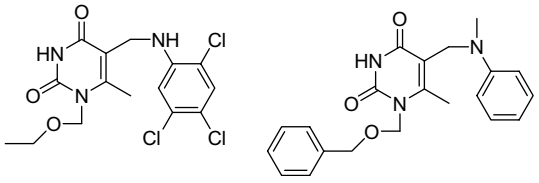


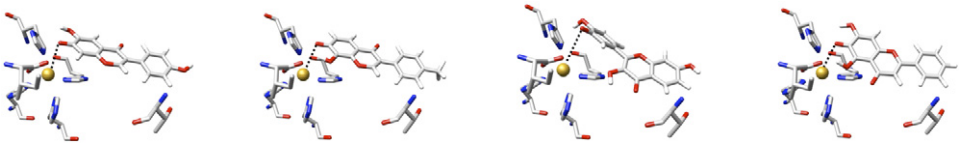
Synthesis and potent neuroleptic activity of a novel 1,2,3,4,6,6a,7,11b,12,12a-decahydropyrazino[2′,1′:6,1]pyrido[3,4-*b*]indole derivative having D_1, D_2, and 5-HT_{2A} receptor blocking activity (pK_i (5-HT_{2A})/pK_i (D_2) = 1.42) is reported.



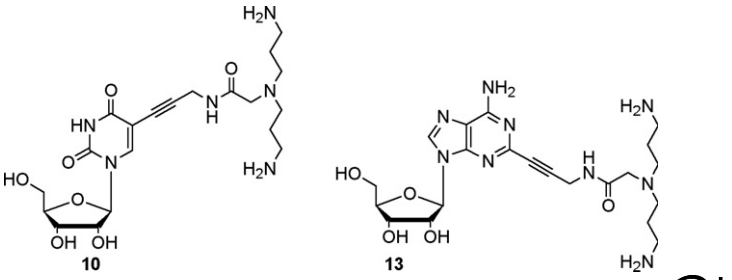


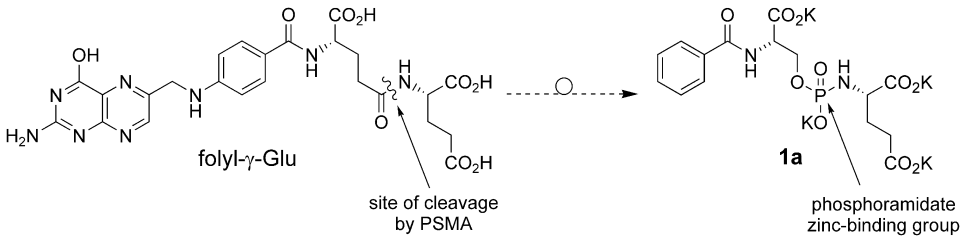


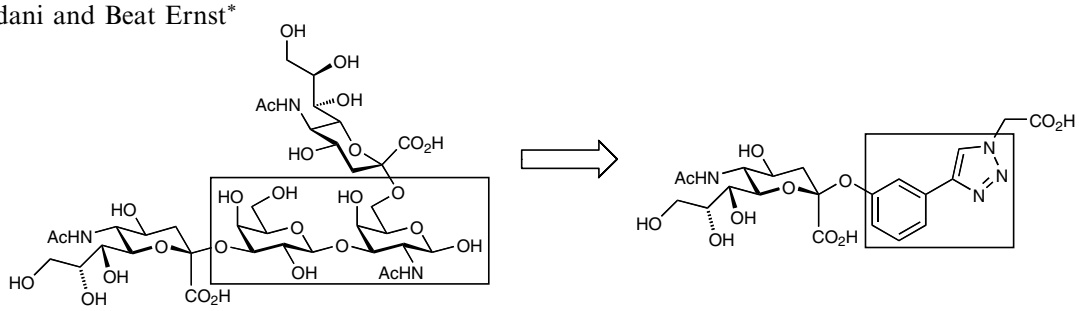


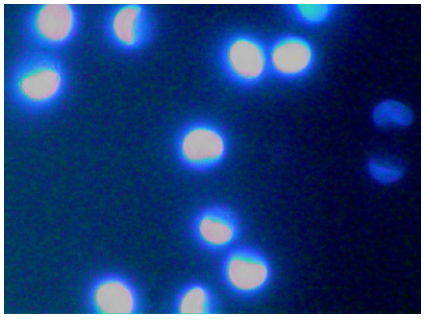


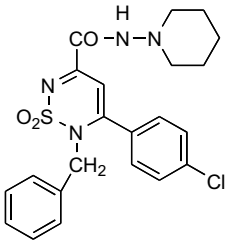
Possible docking modes to 15-hLO-1 for 4 potent, reductive flavonoid inhibitors.











OTHER CONTENTS

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

COVER

An efficient and modular one-pot synthesis of polysubstituted aromatic amines by a mild reductive amination procedure is described and the biological potential of these nitrogen-centered compounds is demonstrated by growth inhibition of murine connective tissue cells and microscopy-based morphological studies. [Menche, D.; Arikan, F.; Li, J.; Rudolph, S.; Sasse, F. *Bioorg. Med.* **2007**, *15*, 7311–7317].

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