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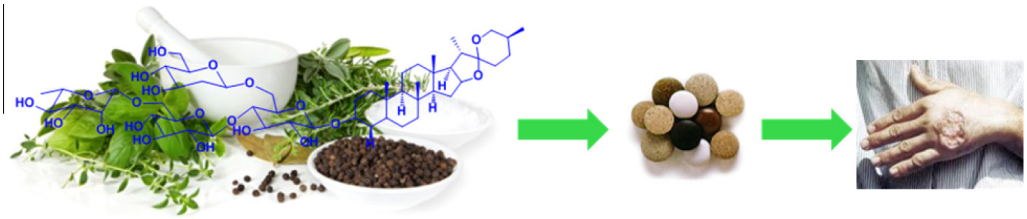
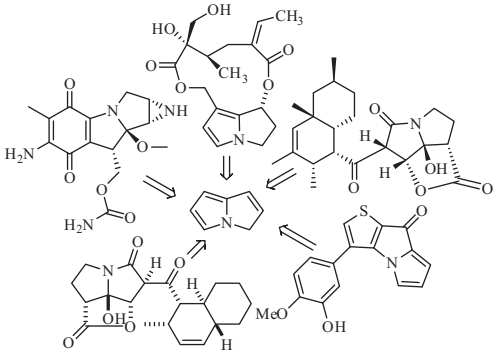
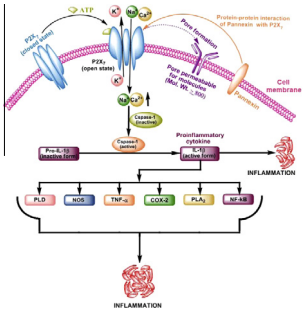
Contents

REVIEWS

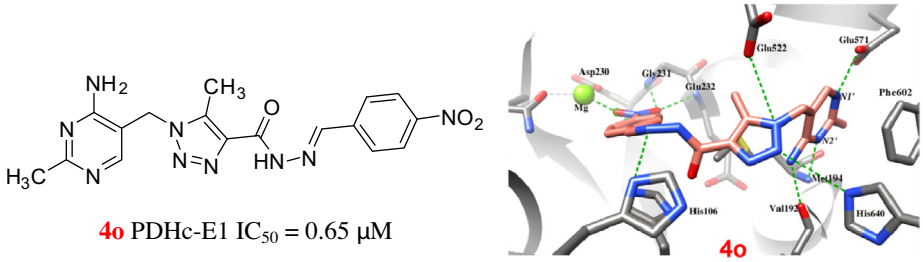






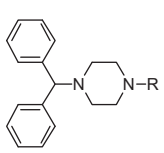
$P2X_7$ a ligand gated ion channel plays an important role in IL-1β release and its antagonism play beneficial role in management of many inflammatory and autoimmune disease conditions like rheumatoid arthritis etc.

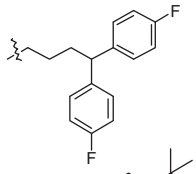
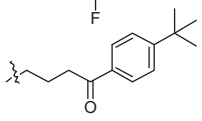
ARTICLES

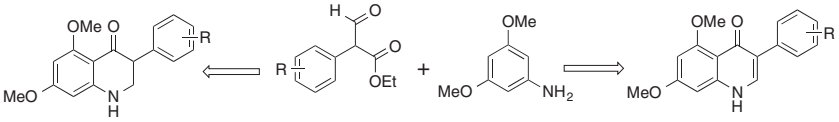


4o PDHc-E1 IC_{50} = 0.65 μM

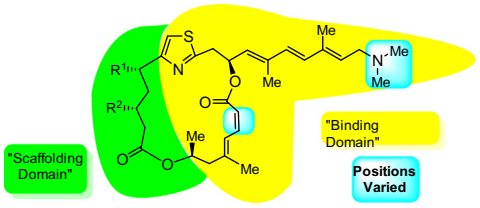
A comprehensive comparative molecular field analysis (CoMFA) model for ligand binding to the neuronal voltage-gated sodium channel was developed and used to design very potent (IC_{50} near 100 nM) sodium channel ligands as demonstrated by the following examples.



		Predicted IC_{50} (nM)	Observed IC_{50} (nM)
R=		251	129
R=		260	119



R = H, 4-OMe, 4-Br, 4-Me, 4-F, 3-Br



Pateamine A (PatA, R^1=Me; R^2=NH_2)
Des-methyl, des-amino PatA (R^1, R^2= H)