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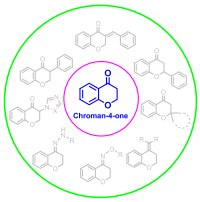
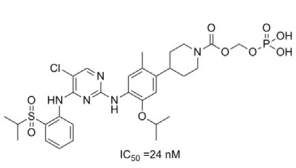
Graphical abstracts

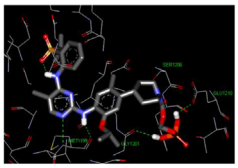
MINI-REVIEW

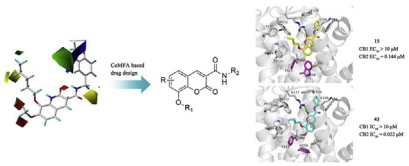


Chroman-4-ones are important intermediates and interesting building-blocks in organic synthesis and drug design. This review addresses the most significant synthetic methods and the biological relevance of 4-chromanone-derived compounds.

ORIGINAL ARTICLES







Guided by a CoMFA model of lead compounds, coumarin derivatives were designed and synthesized with high CB2 receptor bioactivities and selectivities. Docking simulations were performed to calculate the receptor-ligand interactions.