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Discovery and preliminary evaluation of 2-aminobenzamide and hydroxamate derivatives containing 1,2,4-oxadiazole moiety as potent histone deacetylase inhibitors

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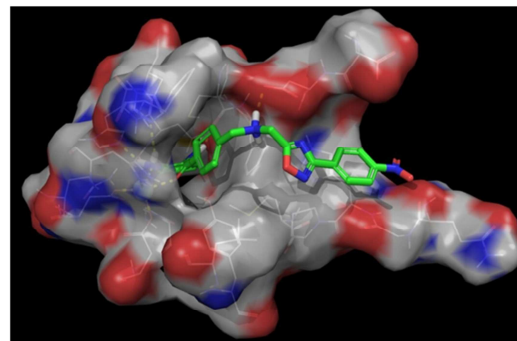
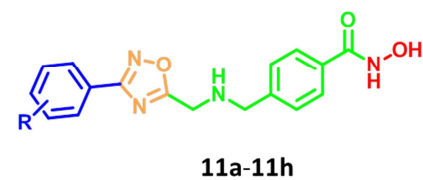
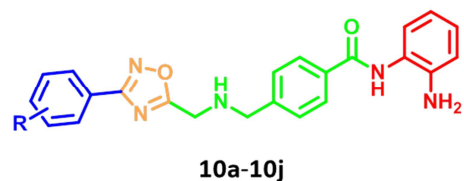
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Graphical abstract

Two series of 2-aminobenzamide and hydroxamate derivatives have been designed, synthesized, and investigated for their antiproliferation and HDACs enzyme inhibitory activities.



10f HDAC1 IC₅₀ = 60 nM

HDAC2 IC₅₀ = 150 nM

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