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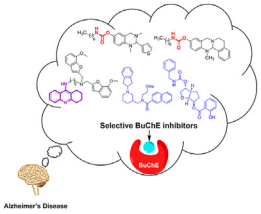
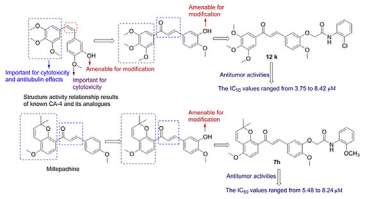
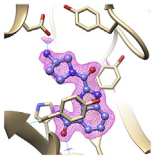
Graphical abstracts

REVIEW ARTICLES

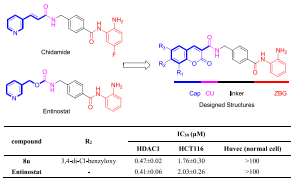


ORIGINAL ARTICLES





Novel 1*H*-benzo[*d*]immidazole-4-carboxamide derivatives bearing five-membered or six-membered *N*-heterocyclic moieties at the 2-position were synthesized and evaluated as PARP-1 inhibitors.



compound	R_2	IC_{50} (μM)		
		HDAC1	HCT116	Huvec (normal cell)
8u	3,4-di-Cl-benzyloxy	0.47±0.02	1.76±0.30	>100
Entinostat	-	0.41±0.06	2.03±0.26	>100

A novel series of coumarin-based benzamides was designed and synthesized as HDAC inhibitors. Compound **8u** showed potent anti-proliferative activity and HDAC1 inhibitory activity near equal to the reference drug Entinostat.