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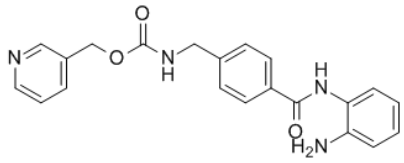
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Entinostat
Cat. No.	:	PC-42902
CAS No.	:	209783-80-2
Molecular Formula	:	$C_{21}H_{20}N_4O_3$
Molecular Weight	:	376.4085
Target	:	HDAC
Solubility	:	10 mM in DMSO



Biological Activity

Entinostat (MS275) is a potent and selective **class I HDACs** inhibitor with IC50 of 243/453/248 nM for HDAC1/2/3.
Entinostat (MS275) shows no inhibition on HDAC8/4/5/7/9/6/10 (IC50>10 uM).
Entinostat (MS275) induces accumulation of p21WAF1/CIP1 and gelsolin in K562 cell.
Entinostat (MS275) reduce S-phase cells and induce G1-phase cells in A2780 cell.

References

Saito A, et al. ***Proc Natl Acad Sci U S A.*** 1999 Apr 13;96(8):4592-7.

Lauffer BE, et al. ***J Biol Chem.*** 2013 Sep 13;288(37):26926-43.

Rosato RR, et al. ***Cancer Res***. 2003, 63(13), 3637-3645.

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