

Product Name	: Entinostat
Synonyms	: MS-275;SNDX-275;MS 275;SNDX275
Cat No.	: M13310
CAS Number	: 209783-80-2
Molecular Formula	: C ₂₁ H ₂₀ N ₄ O ₃
Formula Weight	: 376.41
Chemical Name	: Carbamic acid, N-[[4-[[[(2-aminophenyl)amino]carbonyl]phenyl]methyl]-, 3-pyridinylmethyl ester
Description	: A potent and selective class I HDACs inhibitor with IC ₅₀ of 243/453/248 nM for HDAC1/2/3; no inhibition on HDAC8/4/5/7/9/6/10 (IC ₅₀ >10 uM); induces accumulation of p21WAF1/CIP1 and gelsolin in K562 cell; reduce S-phase cells and induce G1-phase cells in A2780 cell.Breast Cancer Phase 3 Clinical
Pathway	: Cell Cycle/DNA Damage
Target	: HDAC
Receptor	: HDAC1;HDAC3
Solubility	: 10 mM in DMSO
SMILES	: <chem>O=C(OCC1=CC=CN=C1)NCC2=CC=C(C(C(=NC3=CC=CC=C3N)=O)C=C2</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Saito A, et al. Proc Natl Acad Sci U S A. 1999 Apr 13;96(8):4592-7. 2. Laufer BE, et al. J Biol Chem. 2013 Sep 13;288(37):26926-43. 3. Rosato RR, et al. Cancer Res, 2003, 63(13), 3637-3645.