

Product Information

HDAC inhibitor Panobinostat, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ296

Size: 10 mg; 25 mg; 50 mg; 100 mg; 200 mg

MDL: MFCD09833242

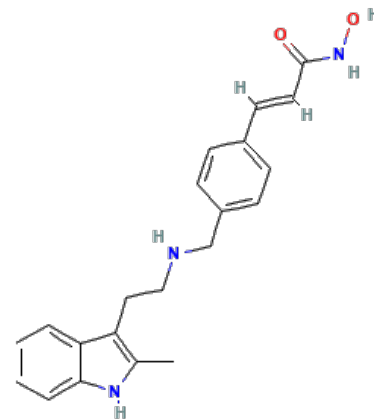
CAS Number: 404950-80-7

Compound CID: 6918837

Synonym: 404950-80-7; Panobinostat; LBH589; LBH-589; Farydak; Faridak;

Panobinostat (LBH589); HDAC inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Panobinostat, soluble in DMSO and insoluble in ethanol and water, induces DNA damage and the inhibition of DNA repair processes. It targets HDAC (MOLT-4 cells) and HDAC (Reh cells).
Molecular Weight	349.4
Molecular Formula	C ₂₁ H ₂₃ N ₃ O ₂
Targets	HDAC (MOLT-4 cells): 5 nM; HDAC (Reh cells): 20 nM
IUPAC Name	(E)-N-Hydroxy-3-[4-[[2-(2-methyl-1H-indol-3-yl)ethylamino]methyl]phenyl]prop-2-enamide
InChI	InChI=1S/C21H23N3O2/c1-15-18(19-4-2-3-5-20(19)23-15)12-13-22-14-17-8-6-16(7-9-17)10-11-21(25)24-26/h2-11,22-23,26H,12-14H2,1H3,(H,24,25)/b11-10+
InChI Key	FPOHNWQLNRZRFC-ZHACJKMWSA-N
Canonical SMILES	CC1=C(C2=CC=CC=C2N1)CCNCC3=CC=C(C=C3)C=CC(=O)NO
Isomeric SMILES	CC1=C(C2=CC=CC=C2N1)CCNCC3=CC=C(C=C3)/C=C/C(=O)NO
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 60 mg/mL (171.7 mM); Water: Insoluble; Ethanol: Insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	Panobinostat is used in scientific studies to understand its potent inhibitory effects on HDACs and its potential as a therapeutic agent in cancer.
Storage	Store at -20°C.



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