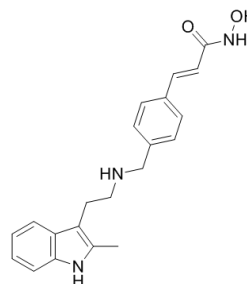


Product Name	: Panobinostat
Synonyms	: LBH-589;LBH589;NVP-LBH589
Cat No.	: M14388
CAS Number	: 404950-80-7
Molecular Formula	: C ₂₁ H ₂₃ N ₃ O ₂
Formula Weight	: 349.43
Chemical Name	: 2-Propenamide, N-hydroxy-3-[4-[[[2-(2-methyl-1H-indol-3-yl)ethyl]amino]methyl]phenyl]-, (2E)-
Description	: A potent, broad-spectrum HDAC inhibitor with IC ₅₀ of 5-20 nM in cell-free assays; induces cell-cycle arrest, apoptosis, and histone (H3K9 and H4K8) hyperacetylation, increases mRNA levels of proapoptosis, growth arrest, and DNA damage repair genes including FANCG, FOXO3A, GADD45A, GADD45B, and GADD45G; significantly slows tumor growth derived from Meso and NSCLC cells in vivo models. Blood Cancer Approved
Pathway	: Cell Cycle/DNA Damage
Target	: HDAC
Receptor	: HDAC(MOLT-4cells);HDAC(Rehcells)
Solubility	: DMSO: ≥ 57 mg/mL
SMILES	: O=C(NO)/C=C/C1=CC=C(CNCCC2=C(C)NC3=C2C=CC=C3)C=C1
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Crisanti MC, et al. Mol Cancer Ther. 2009 Aug;8(8):2221-31. | 2. George P, et al. Blood. 2005 Feb 15;105(4):1768-76. | 3. Scuto A, et al. Blood. 2008 May 15;111(10):5093-100.