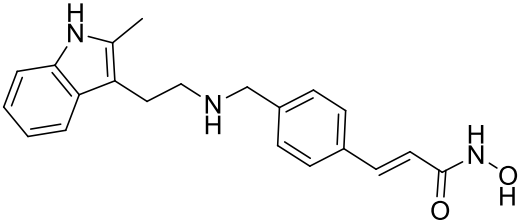




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
202151	Panobinostat	A20T01K19

Chemical name	
(2E)-N-hydroxy-3-[4-({[2-(2-methyl-1H-indol-3-yl)ethyl]amino}methyl)phenyl]acrylamide	
Synonyms	
LBH-589; LBH 589; LBH589; NVP-LBH-589; NVP LBH-589. Panobinostat. trade name Farydaka	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 202151 Name: Panobinostat CAS#: 404950-80-7 Lot#: A20T01K19 Chemical Formula: C ₂₁ H ₂₃ N ₃ O ₂ Exact Mass: 349.17903 Molecular Weight: 349.43

Analysis item	Specification/ Results
Appearance	Tan solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	> 98%
Solubility	Soluble in DMSO
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in Customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Self life	At least 5 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE