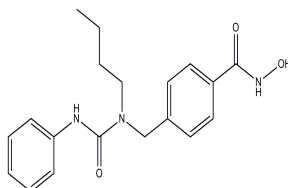


Product: Nexturastat A

ALTERNATE NAME: 4-((1-butyl-3-phenylureido)methyl)-N-hydroxybenzamide

CATALOG #: 2098-1 1 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₉H₂₃N₃O₃

MOLECULAR WEIGHT: 341.40

CAS NUMBER 1403783-31-2

APPEARANCE: Off-white solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Keep cool and dry, Store at -20°C

DESCRIPTION: Nexturastat A is an aryl urea derivative that acts as a potent and highly selective inhibitor of histone deacetylase 6 (HDAC6) (IC₅₀ = 5.02 ± 0.60 nM). Displays 600-, 1380-, 1330-, 1870-, -2330, -888, -190, -1340, -1510, and -1020-fold selectivities over HDAC1, HDAC2, HDAC3, HDAC4, HDAC5, HDAC7, HDAC8, HDAC9, HDAC10, and HDAC11, respectively. Also displays antiproliferative effects against melanoma cells.

REFERENCE: Bergman, J.A., *et al.* (2012). *J. Med. Chem.* **55**, 9891-9899.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Apicidin (**Cat. No. 1601-1**)
 CI-994 (**Cat. No. 1742-10, 50**)
 CUDC-101 (**Cat. No. 1966-5, 25**)
 Depudecin (**Cat. No. 2087-100**)
 DiscoveryPak™ HDAC Inhibitor Set (**Cat. No. K851-6**)
 M344 (**Cat. No. 1701-1**)
 MS-275 (Entinostat, MS-275) (**Cat. No. 1590-1,5**)
 Panobinostat (LBH589) (**Cat. No. 1612-1,5**)
 SAHA (**Cat. No. 1604-1**)
 Sodium 4-phenylbutyrate (**Cat. No. 1608-100,1000**)
 Sodium Butyrate (**Cat. No. 1609-1000**)
 Splitomycin (**Cat. No. 1610-5**)
 Trichostatin A (**Cat. No. 1606-1**)
 Tubacin (**Cat. No. 1984-250, 1000**)
 Tubastatin A (**Cat. No. 1724-1, 5**)
 Valproic Acid, Sodium Salt (**Cat. No. 1647-200**)

FOR RESEARCH USE ONLY! Not to be used on humans.