

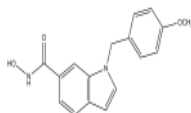
PRODUCT: PCI 34051

ALTERNATE NAME: N-hydroxy-1-[(4-methoxyphenyl)methyl]-1H-indole-6-carboxamide

CATALOG #: 2251-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₇H₁₆N₂O₃

MOLECULAR WEIGHT: 296.32

CAS NUMBER: 950762-95-5

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (>20 mg/ml)

PURITY: ≥95% by HPLC

STORAGE: At -20° C. Protect from light and moisture

DESCRIPTION: Cell-permeable. A potent histone deacetylase 8 (HDAC8) inhibitor (IC₅₀ = 0.01 μM) with >200-fold selectivity over HDAC isoforms 1, 2, 3, 6, and 10 (IC₅₀s = 4, >50, >50, 2.9, and 13 μM, respectively). It inhibits cell growth and induces apoptosis only in T-cell-derived tumor lines, such as Jurkat and Hut78, but not in solid tumor lines, or in other hematopoietic tumors such as those derived from B cells, plasma cells or monocytes.

REFERENCE: Balasubramaniam, S., *et al.* (2008). *Leukemia* **22**, 1026-1034.

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

RELATED PRODUCTS:

- 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)
- DiscoveryPak™ HDAC Inhibitor Set II (Cat. No. K876-7)
- M344 (Cat. No. 1701-1)
- MS-275 (Entinostat, MS-275) (Cat. No. 1590-1,5)
- Nexturastat A (Cat. No. 2098-1)
- Nullscript (Cat. No. 2186-1)
- Oxamflatin (Cat. No. 2250-1, 5)
- Panobinostat (LBH589) (Cat. No. 1612-1,5)
- SAHA (Cat. No. 1604-1)
- SBHA (Cat. No. 2202-50, 250)
- 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)

USAGE: *FOR RESEARCH CH USE ONLY! Not to be used in humans*