**PRODUCT:** Chidamide

**ALTERNATE NAME:** N-(2-amino-5-fluorophenyl)-4-[[1-oxo-3-(3-pyridinyl)-2-propan-1-yl]amino]methyl]benzamide

**CATALOG #:** 2261-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**

**MOLECULAR FORMULA:** C_{22}H_{19}FN_{4}O_{2}

**MOLECULAR WEIGHT:** 390.41

**CAS NUMBER:** 743420-02-2

**APPEARANCE:** White to off-white solid

**SOLUBILITY:** DMSO

**PURITY:** ≥98%

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

**DESCRIPTION:** Cell-permeable. A new benzamide class of histone deacetylase (HDAC) inhibitor with marked anti-tumor activity. It increases histone H3 acetylation levels in LoVo and HT29 colon cancer cells at concentrations as low as 4 µM. Additionally, chidamide affects the activation of oncogenic signaling kinases by dose-dependently reducing phosphorylated Akt, mTOR, p70S6k, Raf, and Erk1/2 protein expression in colon cancer cells.


**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)
- PCI 34051 (Cat. No. 2251-5, 25)
- 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)

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

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