ITSA-1

ALTERNATE NAME: N-(1H-Benzotriazol-1-yl)-2,4-dichlorobenamide, ITSA1

CATALOG #: 2089-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C_{13}H_{7}Cl_{2}N_{3}O

MOLECULAR WEIGHT: 292.12

CAS NUMBER: 200626-61-5

APPEARANCE: White solid

SOLUBILITY: DMSO (25 mg/ml)

PURITY: ≥98% by TLC

STORAGE: Store at -20 °C. Protect from air and light.

DESCRIPTION: Cell-permeable. ITSA-1 is a suppressor of Trichostatin A (TSA) and a molecular tool for dissecting gene regulation by distinct acetylation events (histone and tubulin). ITSA-1 specifically suppresses TSA inhibition of HDAC (histone deacetylase), but not other HDAC inhibitors. ITSA-1 reverses TSA induced histone acetylation, overall deacetylation. ITSA-1 also reverses TSA induced cell cycle arrest and apoptosis.

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 in humans.