PRODUCT: CAY10683

ALTERNATE NAME: EthylN-[4-oxo-4-[(2-phenylethylamino)butyl]carbamate; Santacruzamate A

CATALOG #: B1051-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE: 

MOLECULAR FORMULA: C_{15}H_{22}N_{2}O_{3}

MOLECULAR WEIGHT: 278.35

CAS NUMBER: 1477949-42-0

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (~25 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: CAY10683 is a potent histone deacetylase (HDAC) inhibitor isolated from the cyanobacterium *Symploca*. It inhibits HDAC2 and HDAC6 with IC_{50} values of 0.119 and 434 nM, respectively. Inhibits HDAC4 only at higher concentrations (IC_{50} = >1,000 nM). CAY10683 inhibits the growth of HCT-116 colon cancer cells and HuT-78 cutaneous T cell lymphoma cells (GI_{50} = 29.4 and 1.4 μM, respectively) more effectively than human dermal fibroblasts (GI_{50} = >100 μM).


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

RELATED PRODUCTS: ACY-1215 (Cat. No. 2629-5, 25) AR-42 (Cat. No. 2716-1.5) CBHA (Cat. No. 2284-5, 10) Chidamide (Cat. No. 2261-1, 5) 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) Droxinostat (Cat. No. 9570-5, 25) HC Toxin (Cat. No. 2728-500, 1000) ITF2357 (Cat. No. 9431-1,5) JNJ-26481585 (Cat. No. 9612-5, 25) FK228 (Cat. No. 2447-1, 5) LAQ824 (Cat. No. 2534-1,5) M344 (Cat. No. 1701-1) MGCD0103 (Cat. No. 2633-10, 50) MS-275 (Entinostat, MS-275) (Cat. No. 1590-1,5) Nexiturastat 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) PXD101 (Cat. No. 2480-5, 25) SAHA (Cat. No. 1604-1) SB 993 (Cat. No. 2285-1, 5) 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