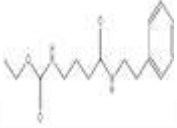


PRODUCT: CAY10683

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 <i>Symploca</i> . 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).
REFERENCES:	Pavlik, C.M., <i>et al.</i> (2013). <i>J. Nat. Prod.</i> 76 , 2026-2033.

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. 2634-1,5)
 M344 (Cat. No. 1701-1)
 MGCD0103 (Cat. No. 2633-10, 50)
 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)
 PXD101 (Cat. No. 2480-5, 25)
 SAHA (Cat. No. 1604-1)
 SB 939 (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**