

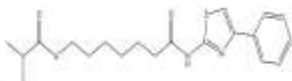
PRODUCT: NCH 51

ALTERNATE NAME: 2-Methylpropanethioic acid S-[7-oxo-7-[(4-phenyl-2-thiazolyl)amino]heptyl] ester; PTACH; Cpd 51

CATALOG #: B1130-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₀H₂₆N₂O₂S₂

MOLECULAR WEIGHT: 390.56

CAS NUMBER: 848354-66-5

APPEARANCE: White solid

SOLUBILITY: DMSO (>35 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: NCH-51 (PTACH) is a cell-permeable prodrug that is intracellularly converted to a potent HDAC inhibitor (IC₅₀ of 48 nM). PTACH is predicted to exhibit a similar HDAC binding mode as that of SAHA, interacting with the active-site zinc targeting group.

REFERENCES: Suzuki, T., *et al.* (2005). *J. Med. Chem.* **48**, 1019-1032.

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)
 CAY10683 (Cat. No. B1051-5,25)
 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**