

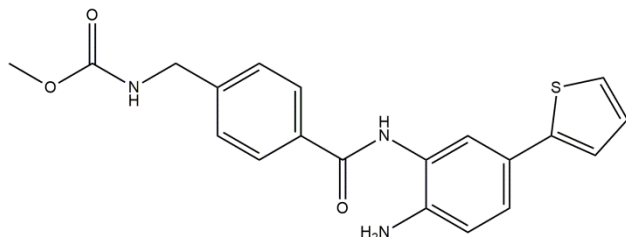
HDAC1&2 Inhibitor

10/19

ALTERNATE NAMES: Methyl ester of N-[[4-[[[2-amino-5-(2-thienyl)phenyl]amino]carbonyl]phenyl]methyl]-carbamic acid; methyl 4-((2-amino-5-(thiophen-2-yl)phenyl)carbamoyl)benzylcarbamate

CATALOG #: B2930-5 5 mg
B2930-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₀H₁₉N₃O₃S

MOLECULAR WEIGHT: 381.45

CAS NUMBER: 1013330-84-1

APPEARANCE: Solid

PURITY: 97%

SOLUBILITY: Soluble in DMSO

DESCRIPTION: HDAC1&2 inhibitor selectively inhibits HDAC1 and HDAC2 with an IC₅₀ of 10 nM and 105 nM for HDAC1 and HDAC2 respectively. It shows a GI₅₀ of 100 nM for HCT-116 cells.

STORAGE TEMPERATURE: -20°C. Store in the dark. Product is light sensitive. Protect from air. Store under desiccating conditions.

REFERENCE: Witter, D.J., Harrington, P., Wilson, K.J. et al. Optimization of biaryl Selective HDAC1&2 Inhibitors (SHI-1:2). *Bioorg Med Chem Lett.* 18(2):726-31 (2008).

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

RELATED PRODUCTS:

MPI-5a (Cat. No. B2833)
HNHA (Cat. No. B2821)
5-Nitroso-8-quinolinol (Cat. No. B2825)
4-Iodo-SAHA (Cat. No. B2800)
Coumarin-SAHA (Cat. No. B2805)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*