

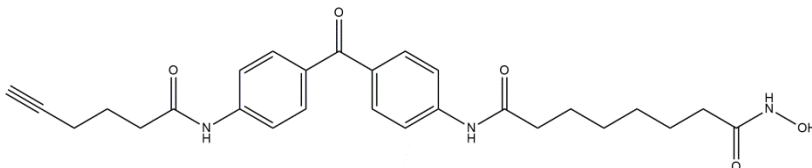
SAHA-Bpyne

07/19

ALTERNATE NAMES: Click Tag™ SAHA-Bpyne; Suberoylanilide Hydroxamic Acid-Bpyne; N1-hydroxy-N8-[4-[4-[(1-oxo-5-hexyn-1-yl)amino]benzoyl]phenyl]-octanediamide

CATALOG #: B2840- 50 50 µg
 B2840-100 100 µg

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₃₁N₃O₅

MOLECULAR WEIGHT: 477.6

CAS NUMBER: 930772-88-6

FORMULATION: A solution in methanol

PURITY: ≥98%

SOLUBILITY: ~5 mg/ml in DMSO

DESCRIPTION: SAHA-BPyne is a SAHA derivative with a benzophenone crosslinker and an alkyne tag. It is a photoreactive “clickable” probe. It is used to profile histone deacetylase (HDAC) activities in native proteomes and live cells. It labels HDAC complex proteins in proteomes at 100 nM and in live cells at 500 nM. It shows an IC₅₀ value of ~3 µM for inhibiting HDAC activity in HeLa cell nuclear lysates.

STORAGE TEMPERATURE: -20°C

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

REFERENCE:

1. Salisbury, C.M., and Cravatt, B.F. Optimization of activity-based probes for proteomic profiling of histone deacetylase complexes. *Journal of the American Chemical Society* 130, 2184-2194 (2008).
2. Salisbury, C.M., and Cravatt, B.F. Activity-based probes for proteomic profiling histone of deacetylase complexes. *Proceedings of the National Academy of Sciences of the United States of America* 104(4), 1171-1176 (2011).

RELATED PRODUCTS:

4-pentynoyl-Coenzyme A (trifluoroacetate salt) (Cat. No. B2838)
 4-Iodo-SAHA (Cat. No. B2800)
 Coumarin-SAHA (Cat. No. B2805)
 SAHA (Cat. No. 1604)
 BODIPY-Acetylene Reagent (Cat. No. 2594)

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