SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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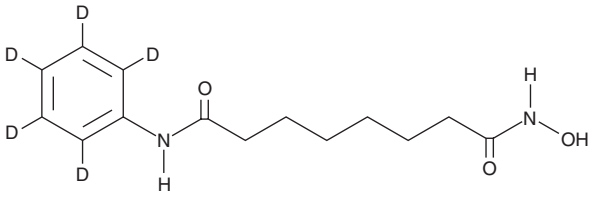
PRODUCT INFORMATION

SAHA-d_5

Item No. 22107



CAS Registry No.: 1132749-48-4
Formal Name: N^1-hydroxy-N^8-(phenyl-2,3,4,5,6-d_5)-octanediamide
Synonyms: Suberoylanilide Hydroxamic Acid-d_5, Vorinostat-d_5
MF: $C_{14}H_{15}D_5N_2O_3$
FW: 269.4
Chemical Purity: ≥96% (SAHA)
Deuterium Incorporation: ≥99% deuterated forms (d_1-d_5); ≤1% d_0
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

SAHA-d_5 contains five deuterium atoms at the 2, 3, 4, 5, and 6 positions. It is intended for use as an internal standard for the quantification of SAHA (suberoylanilide hydroxamic acid; Item No. 10009929) by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated *versus* unlabeled).

SAHA-d_5 is supplied as a solid. A stock solution may be made by dissolving the SAHA-d_5 in the solvent of choice. SAHA-d_5 is slightly soluble in acetonitrile and DMSO.

Description

SAHA is a histone deacetylase (HDAC) inhibitor that binds directly to the catalytic site of the enzyme thereby blocking substrate access.[1] It inhibits class I, II, and IV HDACs at 50-200 nM and arrests cell growth in a wide variety of transformed cells in culture at 2.5-5.0 µM.

Reference

1. Marks, P.A. and Breslow, R. Dimethyl sulfoxide to vorinostat: Development of this histone deacetylase inhibitor as an anticancer drug. *Nat. Biotechnol.* **25(1)**, 84-90 (2007).

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