



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## 4-iodo-SAHA

**Catalog #:** 27205

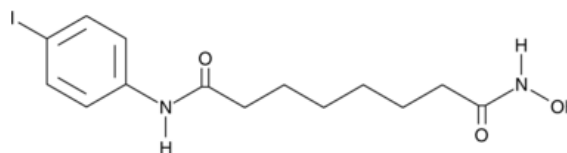
**Lot #:** 120209

**Size:** 50 mg

**Structure:**

**CAS Registry #:** 1219807-87-0

**Purity:** ≥98%



**Chemical Formula:** C<sub>14</sub>H<sub>19</sub>IN<sub>2</sub>O<sub>3</sub>

**Molecular Weight:** 390.2

**Description:** 4-iodo-SAHA is a hydrophobic derivative of SAHA, a class I and class II histone deacetylase (HDAC) inhibitor. Similar to SAHA, it demonstrates > 60% inhibition of HDAC1 and HDAC6 activity in a deacetylase activity assay at 1 μM.

**Appearance:** A crystalline solid

**Solubility:** Solubility in ethanol is 0.2 mg/ml and 30 mg/ml in DMSO and DMF. First, dissolve in DMSO then dilute with the aqueous buffer of choice. Do not store in aqueous solution for more than one day.

**Biological Activity:** 4-iodo-SAHA inhibits SKBR3 breast-derived and HT29 colon-derived cell line proliferation with EC<sub>50</sub> values comparable to that of SAHA (1.1 μM and 0.95 μM versus 2.1 μM and 2 μM, respectively). It has 10 times the inhibition strength of U937 leukemia cell proliferation in comparison to SAHA (0.12 μM versus 1.2 μM, respectively).

**Storage/Stability:** Store at or below -20°C for up to two years.

**Quality Control:** The purity was determined by HPLC analysis.

**Reference:** Salmi-Smail, C., *et al.*, *J. Med. Chem.* 2010; **53**: 3038 – 3047.