

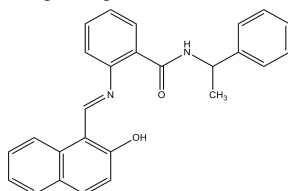
Sirtinol

ALTERNATE NAME: 2-[(2-Hydroxynaphthalen-1-ylmethylene)amino]-N-(1-phenethyl)benzamide; Sir Two Inhibitor Naphthol

CATALOG #: 2062-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₆H₂₂N₂O₂

MOLECULAR WEIGHT: 394.47

CAS NUMBER: 410536-97-9

APPEARANCE: Yellow solid

SOLUBILITY: DMSO (100 mM)

PURITY: ≥98%

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

DESCRIPTION: Cell-permeable. A selective sirtuin deacetylase inhibitor with IC₅₀ values of 38, 68 and 131 μM for SIRT2, Sir2p and SIRT1 respectively. Sirtinol has no effect on HDAC1 activity. Sirtinol inhibits the growth of cancer cells and suppresses inflammatory signaling in human dermal microvascular endothelial cells.

REFERENCE: Gorzinger, G. M., *et al.* (2001). *J. Biol. Chem.* **276**, 38837-38843.

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

RELATED PRODUCTS:

- Apicidin (**Cat. No. 1601-1**)
- CI-994 (**Cat. No. 1742-10, 50**)
- CUDC-101 (**Cat. No. 1966-5, 25**)
- DiscoveryPak™ HDAC Inhibitor Set (**Cat. No. K851-6**)
- M344 (**Cat. No. 1701-1**)
- MS-275 (Entinostat, MS-275) (**Cat. No. 1590-1,5**)
- Panobinostat (LBH589) (**Cat. No. 1612-1,5**)
- SAHA (**Cat. No. 1604-1**)
- Sodium 4-phenylbutyrate (**Cat. No. 1608-100,1000**)
- Sodium Butyrate (**Cat. No. 1609-1000**)
- Splitomycin (**Cat. No. 1610-5**)
- Suramin Hexasodium Salt (**Cat. No. 1874-50, 250**)
- Trichostatin A (**Cat. No. 1606-1**)
- Tubastatin A (**Cat. No. 1724-1, 5**)
- Valproic Acid, Sodium Salt (**Cat. No. 1647-200**)

FOR RESEARCH USE ONLY! Not to be used in humans.