

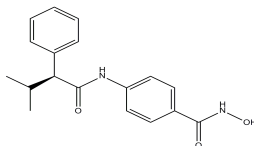
Product: AR-42 (HDAC-42)

ALTERNATE NAME: (S)-N-hydroxy-4-(3-methyl-2-phenylbutanamido)benzamide

CATALOG #: 2716-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₈H₂₀N₂O₃

MOLECULAR WEIGHT: 312.36

CAS NUMBER: 935881-37-1

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (~ 20 mg/ml) or EtOH (~ 20 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: AR-42 is a potent histone deacetylase inhibitor (HDACi). It induces growth inhibition, cell- cycle arrest, apoptosis, and activation of caspases-3/7. AR-42 also promotes hyperacetylation of H3, H4, and alpha-tubulin, and up-regulation of p21 and exhibits in vitro and ex vivo biologic activity against malignant mast cells.

REFERENCES: Lin, T.-Y., et al. *Blood* **115**, 4217-4225.

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

RELATED PRODUCTS:

ACY-1215 (Cat. No. 2629-5, 25)

CBHA (Cat. No. 2284-5, 10)

Chidamide (Cat. No. 2261-1, 5)

CI-994 (Cat. No. 1742-10, 50)

CUDC-101 (Cat. No. 1966-5, 25)

Depudecin (Cat. No. 2087-100)

DiscoveryPak™ HDAC Inhibitor Set (Cat. No. K851-6)

DiscoveryPak™ HDAC Inhibitor Set II (Cat. No. K876-7)

FK228 (Cat. No. 2447-1, 5)

LAQ824 (Cat. No. 2634-1,5)

M344 (Cat. No. 1701-1)

MGCD0103 (Cat. No. 2633-10, 50)

MS-275 (Entinostat, MS-275) (Cat. No. 1590-1,5)

Nexturastat A (Cat. No. 2098-1)

Nullscript (Cat. No. 2186-1)

Oxamflatin (Cat. No. 2250-1, 5)

Panobinostat (LBH589) (Cat. No. 1612-1,5)

PCI 34051 (Cat. No. 2251-5, 25)

PXD101 (Cat. No. 2480-5, 25)

SAHA (Cat. No. 1604-1)

SB 939 (Cat. No. 2285-1, 5)

SBHA (Cat. No. 2202-50, 250)

Sodium 4-phenylbutyrate (Cat. No. 1608-100,1000)

Sodium Butyrate (Cat. No. 1609-1000)

Splitomycin (Cat. No. 1610-5)

Trichostatin A (Cat. No. 1606-1)

Tubacin (Cat. No. 1984-250, 1000)

Tubastatin A (Cat. No. 1724-1, 5)

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