Product: ACY-1215

ALTERNATE NAME: 2-(diphenylamino)-N-(7-(hydroxyamino)-7-oxoheptyl)pyrimidine-5-carboxamide; Rocilinostat; ACTf1215

CATALOG #: 2629-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C_{24}H_{27}N_{5}O_{3}

MOLECULAR WEIGHT: 433.50

CAS No.: 1316214-52-4

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (>75 mg/ml)

PURITY: >98% by HPLC

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

DESCRIPTION: ACY-1215 is a potent, cell-permeable and selective inhibitor of histone deacetylase 6 (HDAC6) (IC_{50} = 5 nM). ACY-1215 is 12-, 10-, 11 and 21-fold less active against HDAC1, HDAC2, HDAC3 and HDAC8, respectively. It displays minimal activities (IC_{50} > 1 µM) against HDAC4, HDAC5, HDAC7, HDAC9, HDAC11, Sirtuin1, and Sirtuin2. In combination with Tubastatin (Cat. No. 1724), it improves cognition in Alzheimer’s Disease (AD) transgenic mice.

REFERENCES:

RELATED PRODUCTS:
CBHA (Cat. No. 2284-5, 10)
Chidamide (Cat. No. 2261-1, 5)
Cl-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)
M344 (Cat. No. 1701-1)
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)

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

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