

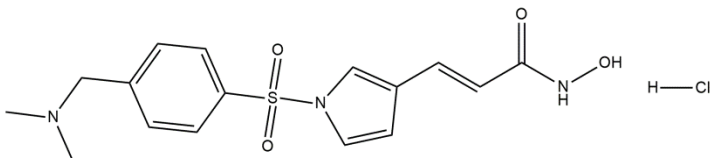
Resminostat (hydrochloride)

08/19

ALTERNATE NAMES: 3-[1-[[4-[(dimethylamino)methyl]phenyl]sulfonyl]-1H-pyrrol-3-yl]-N-hydroxy-2-propenamide, monohydrochloride; 4SC-201 hydrochloride; RAS2410 hydrochloride; (E)-3-[1-(4-dimethylaminomethyl-benzenesulfonyl)-1H-pyrrol-3-yl]-N-hydroxy-acrylamide hydrochloride

CATALOG #: B2852-5 5 mg
B2852-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₂₀ClN₃O₄S

MOLECULAR WEIGHT: 385.87

CAS NUMBER: 1187075-34-8

APPEARANCE: Crystalline solid

PURITY: >98% (HPLC)

SOLUBILITY: ~0.5 mg/ml in PBS, pH 7.2
~10 mg/ml in DMSO
~0.5 mg/ml in DMF

DESCRIPTION: Resminostat is a potent inhibitor of histone deacetylases (HDAC) 1, 3 and 6 with IC₅₀ ranging from 43–72 nM. It induces hyperacetylation of histone H4, abrogates cell growth and induces apoptosis in multiple myeloma cells with an IC₅₀ of 2.5-3 μM. It induces G0/G1 cell cycle arrest, decreases levels of cyclin D1, cdc25a, Cdk4 and pRb and upregulates p21.

STORAGE TEMPERATURE: -20°C

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

REFERENCE: Mandl-Weber, S., Meinel, F.G., Jankowsky, R., et al. The novel inhibitor of histone deacetylase resminostat (RAS2410) inhibits proliferation and induces apoptosis in multiple myeloma (MM) cells. British Journal of Haematology 149, 518-528 (2010).

RELATED PRODUCTS:

SAHA (Cat. No. 1604)
HNHA (Cat. No. B2821)
MPI-5a (Cat. No. B2833)
HPOB (Cat. No. B2832)
5-Nitroso-8-quinolinol (Cat. No. B2825)

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