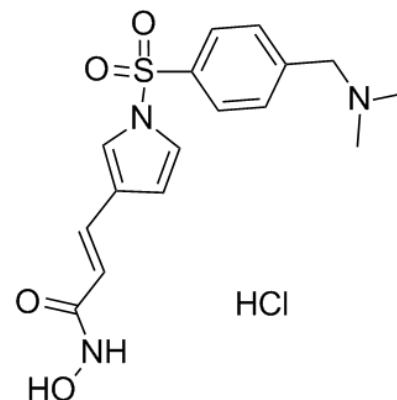


Product Name : Resminostat hydrochloride
Cat. No. : PC-44035
CAS No. : 1187075-34-8
Molecular Formula : C₁₆H₂₀ClN₃O₄S
Molecular Weight : 385.8657
Target : HDAC
Solubility : DMSO: ≥ 50 mg/mL



Biological Activity

Resminostat (4SC-201, RAS2410) hydrochloride is a potent inhibitor of **HDAC1/3/6** with IC₅₀s of 43-72 nM. Resminostat induces hyperacetylation of histone H4 and apoptosis in MM cell lines (IC₅₀=2.5-3 μM). Resminostat decreases levels of cyclin D1, cdc25a, Cdk4 and pRb as well as upregulation of p21. Resminostat downregulates phosphorylation of 4E-BP1 and p70S6k.

References

- Mandl-Weber S, et al. *Br J Haematol*. 2010 May;149(4):518-28.
Fu M, et al. *Biochem Biophys Res Commun*. 2016 Sep 2;477(4):527-33.
Enzenhofer E, et al. *Head Neck*. 2017 May;39(5):900-907.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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