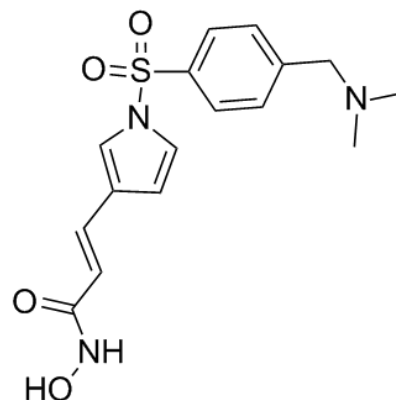


**Product Name** : Resminostat  
**Cat. No.** : PC-44034  
**CAS No.** : 864814-88-0  
**Molecular Formula** : C<sub>16</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub>S  
**Molecular Weight** : 349.4048  
**Target** : HDAC  
**Solubility** : 10 mM in DMSO



## Biological Activity

Resminostat (4SC-201, RAS2410) is a potent inhibitor of **HDAC1/3/6** with IC<sub>50</sub>s of 43-72 nM.  
 Resminostat (4SC-201, RAS2410) induces hyperacetylation of histone H4 and apoptosis in MM cell lines (IC<sub>50</sub>=2.5-3 μM).  
 Resminostat (4SC-201, RAS2410) decreases levels of cyclin D1, cdc25a, Cdk4 and pRb as well as upregulation of p21.  
 Resminostat (4SC-201, RAS2410) 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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