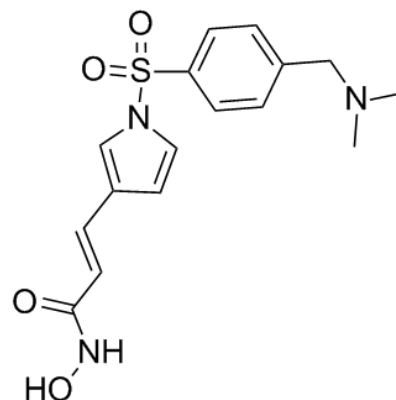


**Product Name** : Resminostat  
**Cat. No.** : PC-44034  
**CAS No.** : 864814-88-0  
**Molecular Formula** : C<sub>16</sub>H<sub>19</sub>N<sub>3</sub>O<sub>4</sub>S  
**Molecular Weight** : 349.4048  
**Target** : HDAC  
**Solubility** : 10 mM in DMSO



### Biological Activity

A potent inhibitor of HDAC1/3/6 with IC<sub>50</sub>s of 43-72 nM; induces hyperacetylation of histone H4 and apoptosis in MM cell lines (IC<sub>50</sub>=2.5-3 uM); decreases levels of cyclin D1, cdc25a, Cdk4 and pRb as well as upregulation of p21; downregulates phosphorylation of 4E-BP1 and p70S6k.

Liver Cancer

Phase 2 Clinical

### 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!**

E-mail: tech@probechem.com