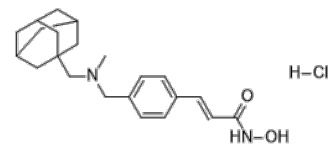


**Product Name** : Martinostat hydrochloride  
**Cat. No.** : PC-25111  
**CAS No.** :  
**Molecular Formula** : C<sub>22</sub>H<sub>31</sub>ClN<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 390.95  
**Target** : HDAC  
**Solubility** : 10 mM in DMSO



## Biological Activity

Martinostat hydrochloride is a potent, selective inhibitor for class I and class-IIb HDACs with IC<sub>50</sub> of 0.3/2.0/0.6 nM for HDAC1/2/3 and 4.1 nM for HDAC6 respectively, >100-fold selectivity over other HDAC isoforms.

[(11)C]Martinostat could be used for quantitative imaging of HDACs in vivo in the central nervous system and major peripheral organs.

Martinostat demonstrated enhanced anticancer effects when combined with imatinib, both in vitro and in vivo, significantly reducing tumor growth in resistant CML xenograft models.

## References

Wey HY, et al. ACS Chem Neurosci. 2015 May 20;6(5):708-15.

Strebl MG, et al. ACS Chem Neurosci. 2016 May 18;7(5):528-33.

Changning Wang, et al. J Med Chem. 2014 Oct 9;57(19):7999-8009.

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

E-mail: tech@probechem.com