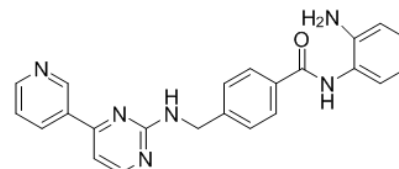


**Product Name** : Mocetinostat  
**Cat. No.** : PC-42903  
**CAS No.** : 726169-73-9  
**Molecular Formula** : C<sub>23</sub>H<sub>20</sub>N<sub>6</sub>O  
**Molecular Weight** : 396.4445  
**Target** : HDAC  
**Solubility** : 10 mM in DMSO



## Biological Activity

Mocetinostat (MGCD-0103) is an isotype-selective small molecule HDAC inhibitor that selectively inhibits **HDAC1** (IC<sub>50</sub>=0.15 μM).

Mocetinostat (MGCD-0103) also inhibits HDAC2/3/11, but has no effect on HDAC4/5/6/7/8.

Mocetinostat (MGCD-0103) induces hyperacetylation of histones and caused cell cycle blockade in various human cancer cell lines.

Mocetinostat (MGCD-0103) inhibits growth of human tumor xenografts in nude mice.

Mocetinostat (MGCD-0103) is orally bioactive.

## References

Fournel M, et al. *Mol Cancer Ther.* 2008 Apr;7(4):759-68.

Zhou N, et al. *J Med Chem.* 2008 Jul 24;51(14):4072-5.

Raepffel S, et al. *Bioorg Med Chem Lett.* 2009 Feb 1;19(3):644-9.

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

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