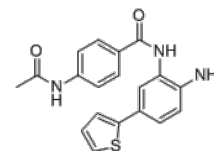


**Product Name** : Merck60  
**Cat. No.** : PC-70123  
**CAS No.** : 849234-64-6  
**Molecular Formula** : C<sub>19</sub>H<sub>17</sub>N<sub>3</sub>O<sub>2</sub>S  
**Molecular Weight** : 351.424  
**Target** : HDAC  
**Solubility** : 10 mM in DMSO



### Biological Activity

Merck60 (BRD 6929, Compound-60) is a potent, selective and brain-penetrant inhibitor of **HDAC1** and **HDAC2** with IC<sub>50</sub> of 1 nM and 8 nM respectively.

Merck60 displays 50-400 fold selectivity over class I HDAC3 (IC<sub>50</sub> = 458 nM) and no appreciable inhibition of HDAC8 or of the class II HDACs (IC<sub>50</sub> > 30 μM).

Merck60 alters gene expression in brain circuits involved in mood regulation, improves mood-related behaviors in mice.

### References

Schroeder FA, et al. *PLoS One*. 2013 Aug 14;8(8):e71323.

Methot JL, et al. *Bioorg Med Chem Lett*. 2008 Feb 1;18(3):973-8.

Stubbs MC, et al. *Clin Cancer Res*. 2015 May 15;21(10):2348-58.

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

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