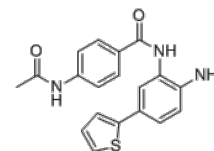


Product Name : Merck60
Cat. No. : PC-70123
CAS No. : 849234-64-6
Molecular Formula : C₁₉H₁₇N₃O₂S
Molecular Weight : 351.424
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

Merck60 (BRD 6929, Compound-60) is a potent, selective and brain-penetrant inhibitor of **HDAC1** and **HDAC2** with IC₅₀ of 1 nM and 8 nM respectively.

Merck60 displays 50-400 fold selectivity over class I HDAC3 (IC₅₀ = 458 nM) and no appreciable inhibition of HDAC8 or of the class II HDACs (IC₅₀ > 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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