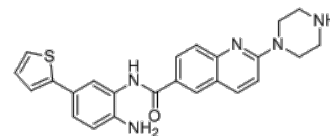


**Product Name** : ACY-957  
**Cat. No.** : PC-35363  
**CAS No.** : 1609389-52-7  
**Molecular Formula** : C<sub>24</sub>H<sub>23</sub>N<sub>5</sub>OS  
**Molecular Weight** : 429.542  
**Target** : HDAC  
**Solubility** : 10 mM in DMSO



## Biological Activity

ACY-957 (ACY957) is a potent, selective inhibitor of **HDAC1** and **HDAC2** with IC<sub>50</sub> of 7 and 18 nM, shows limited activity against HDAC3 (IC<sub>50</sub>=1,300 nM) and no activity against HDAC4/5/6/7/8/9 (IC<sub>50</sub>>20 nM).

ACY-957 elicits dependent induction of  $\gamma$ -globin mRNA (HbG) and HbF protein in a variety of primary erythroid progenitor cell culture system.

ACY-957 increases GATA2 expression, elevates histone acetylation at well-known GATA2 autoregulatory regions.

## References

Shearstone JR, et al. *PLoS One*. 2016 Apr 13;11(4):e0153767.

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

E-mail: tech@probechem.com