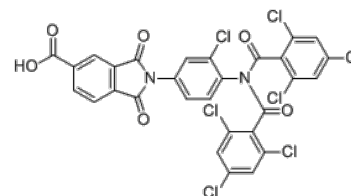


**Product Name** : SIRT6 activator CL5D  
**Cat. No.** : PC-38580  
**CAS No.** : 2488745-53-3  
**Molecular Formula** : C<sub>29</sub>H<sub>11</sub>Cl<sub>7</sub>N<sub>2</sub>O<sub>6</sub>  
**Molecular Weight** : 731.565  
**Target** : Sirtuin  
**Solubility** : 10 mM in DMSO



### Biological Activity

SIRT6 activator CL5D is a novel small-molecule activator of **SIRT6** deacetylation, stimulates 4-fold activation of SIRT6 (1 uM) against H3K9ac (20 uM) at 3 uM.

CL5D demonstrate competitive inhibition with K<sub>i</sub> of 13.4 uM.

CL5D exhibited time-dependent deacetylation at H3K9 by SIRT6 in HEK293T cells.

### References

Mark A Klein, et al. *J Biol Chem*. 2020 Jan 31;295(5):1385-1399.

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

E-mail: tech@probechem.com