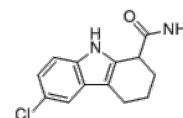


**Product Name** : EX-527  
**Cat. No.** : PC-21165  
**CAS No.** : 49843-98-3  
**Molecular Formula** : C<sub>13</sub>H<sub>13</sub>ClN<sub>2</sub>O  
**Molecular Weight** : 248.71  
**Target** : Sirtuin  
**Solubility** : 10 mM in DMSO



## Biological Activity

Selisistat (EX-527) is a potent and selective SirT1 (Sir2 in *Drosophila melanogaster*) inhibitor with IC<sub>50</sub> of 123 nM for SirT1.

Selisistat (EX-527) (1-10 μM) inhibits the deacetylation activity of both human SirT1 and *Drosophila* Sir2 in transfected cells. Selisistat (EX-527) (5 and 20 mg/kg, PO, daily) is protective in the R6/2 mouse model of Huntington's disease (HD).

## References

Smith MR, et al. Hum Mol Genet. 2014;23(11):2995-3007.

Napper AD, et al. J Med Chem. 2005;48(25):8045-8054.

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

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