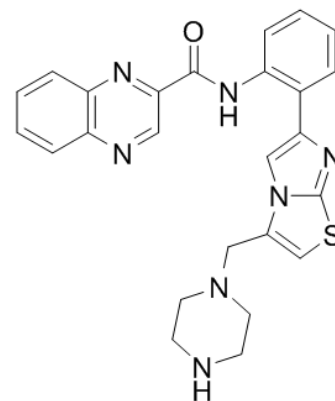


**Product Name** : SRT 1720  
**Cat. No.** : PC-42642  
**CAS No.** : 925434-55-5  
**Molecular Formula** : C<sub>25</sub>H<sub>23</sub>N<sub>7</sub>OS  
**Molecular Weight** : 469.5614  
**Target** : Sirtuin  
**Solubility** : 10 mM in DMSO



## Biological Activity

SRT 1720 is a potent, selective **SIRT1** activator with EC<sub>1.5</sub> of 0.16 μM.

SRT 1720 displays good selectivity for activation of SIRT1 versus SIRT2 (EC<sub>1.5</sub>=37 μM) and SIRT3 (EC<sub>1.5</sub>>300 μM).

SRT 1720 is 1,000-fold more potent than resveratrol.

SRT 1720 improves insulin sensitivity, lower plasma glucose, and increases mitochondrial capacity in obese mice model.

## References

Milne JC, et al. *Nature*. 2007 Nov 29;450(7170):712-6.

Pacholec M, et al. *J Biol Chem*. 2010 Mar 12;285(11):8340-51.

Funk JA, et al. *J Pharmacol Exp Ther*. 2010 May;333(2):593-601.

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

E-mail: tech@probechem.com