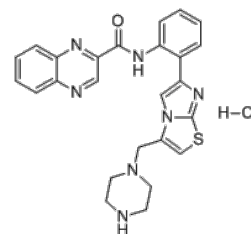


Product Name : SRT1720 hydrochloride
Cat. No. : PC-21902
CAS No. : 1001645-58-4
Molecular Formula : C₂₅H₂₄ClN₇OS
Molecular Weight : 506.02
Target : Sirtuin
Solubility : 10 mM in DMSO



Biological Activity

SRT1720 hydrochloride is a potent, selective SIRT1 activator with EC_{1.5} of 0.16 μM.

SRT 1720 displays good selectivity for activation of SIRT1 versus SIRT2 (EC_{1.5}=37 μM) and SIRT3 (EC_{1.5}>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.

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

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