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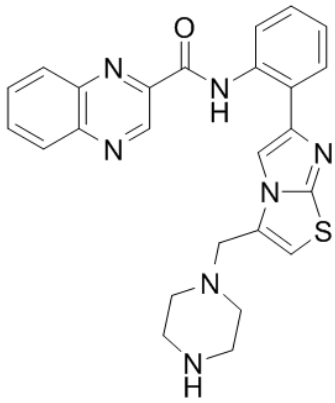
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	SRT1720
Cat. No.	:	PC-42642
CAS No.	:	925434-55-5
Molecular Formula	:	$C_{25}H_{23}N_7OS$
Molecular Weight	:	469.5614
Target	:	Sirtuin
Solubility	:	10 mM in DMSO



Biological Activity

SRT1720 (SRT-1720) is a potent, selective **SIRT1** activator with EC1.5 of 0.16 uM.
SRT 1720 displays good selectivity for activation of SIRT1 versus SIRT2 (EC1.5=37 uM) and SIRT3 (EC1.5>300 uM).
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!

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