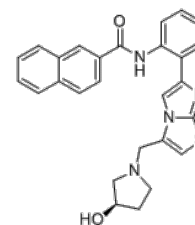


Product Name : SRT 2183
Cat. No. : PC-63005
CAS No. : 1001908-89-9
Molecular Formula : C₂₇H₂₄N₄O₂S
Molecular Weight : 468.575
Target : Sirtuin
Solubility : 10 mM in DMSO



Biological Activity

SRT 2183 is a potent, selective **SIRT1 activator** with EC_{1.5} of 0.36 μM, displays good selectivity for activation of SIRT1 versus SIRT2 and SIRT3 (EC_{1.5}>300 μM) and is more potent than Resveratrol.

SRT 2183 improves insulin sensitivity, lower plasma glucose, and increase 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.
Gurt I, et al. *PLoS One*. 2015 Jul 30;10(7):e0134391.

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

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