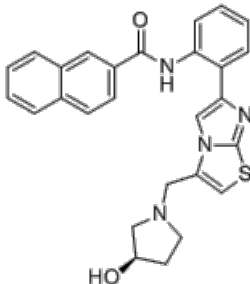


Product Name	: SRT 2183	
Synonyms	: SRT2183	
Cat No.	: M10024	
CAS Number	: 1001908-89-9	
Molecular Formula	: C ₂₇ H ₂₄ N ₄ O ₂ S	
Formula Weight	: 468.58	
Chemical Name	N-[2-[3-[[[(3R)-3-hydroxypyrrolidin-1-yl]methyl]imidazo[2,1-b][1,3]thiazol-6-yl]phenyl]naphthalene-2-carboxamide	
Description	SRT 2183 is a potent, selective SIRT1 activator with EC ₅₀ of 0.36 μM, displays good selectivity for activation of SIRT1 versus SIRT2 and SIRT3 (EC ₅₀ >300 μM) and is more potent than Resveratrol; improve insulin sensitivity, lower plasma glucose, and increase mitochondrial capacity in obese mice model.	
Pathway	: Chromatin/Epigenetic	
Target	: Sirtuin	
Receptor	: Sirtuin	
Solubility	: —	
SMILES	: O=C(NC1=CC=CC=C1C2=CN3C(SC=C3CN4C[C@H](O)CC4)=N2)C5=CC=C6C=CC=C6=C5	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Milne JC, et al. Nature. 2007 Nov 29;450(7170):712-6. | 2. Pacholec M, et al. J Biol Chem. 2010 Mar 12;285(11):8340-51. | 3. Gurt I, et al. PLoS One. 2015 Jul 30;10(7):e0134391.