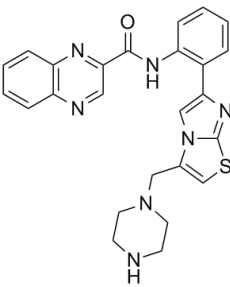


Product Name	: SRT 1720	
Synonyms	: SRT-1720; SRT1720	
Cat No.	: M16631	
CAS Number	: 925434-55-5	
Molecular Formula	: C ₂₅ H ₂₃ N ₇ O ₂ S	
Formula Weight	: 469.56	
Chemical Name	: 2-Quinoxalinecarboxamide, N-[2-[3-(1-piperazinylmethyl)imidazo[2,1-b]thiazol-6-yl]phenyl]-	
Description	: A potent, selective SIRT1 activator with EC ₅₀ of 0.16 uM; displays good selectivity for activation of SIRT1 versus SIRT2 (EC ₅₀ =37 uM) and SIRT3 (EC ₅₀ >300 uM); 1,000-fold more potent than resveratrol; improve insulin sensitivity, lower plasma glucose, and increase mitochondrial capacity in obese mice model.	
Pathway	: Chromatin/Epigenetic	
Target	: Sirtuin	
Receptor	: SIRT1; SIRT2	
Solubility	: 10 mM in DMSO	
SMILES	: C1CN(CCN1)CC2=CSC3=NC(=CN23)C4=CC=CC=C4NC(=O)C5=NC6=CC=CC=C6N=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. Funk JA, et al. J Pharmacol Exp Ther. 2010 May;333(2):593-601.