

SRT 2104

Catalog No: tcsc0955



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

1093403-33-8

Formula:

$C_{26}H_{24}N_6O_2S_2$

Pathway:

Epigenetics;Cell Cycle/DNA Damage

Target:

Sirtuin;Sirtuin

Purity / Grade:

>98%

Solubility:

DMSO : 5.04 mg/mL (9.76 mM; Need ultrasonic and warming)

Observed Molecular Weight:

516.64

Product Description

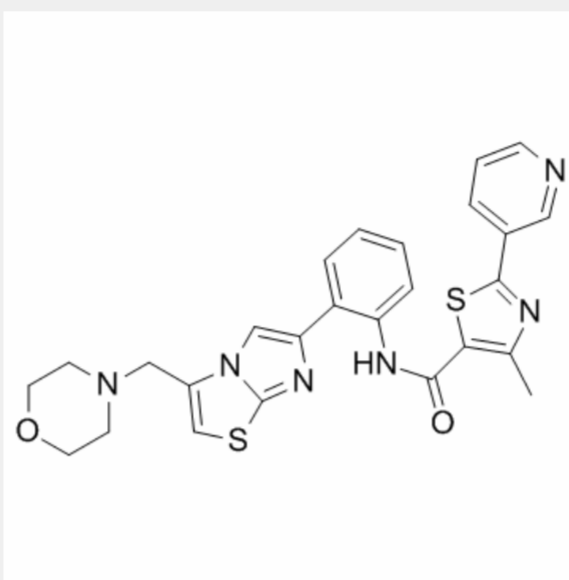
SRT 2104 is a brain-permeable activator of **SIRT1**, used for the research of type 2 diabetes mellitus and Huntington's disease.

IC50 & Target: SIRT1^[1]

In Vitro:

SRT 2104 (3 μ M) reduces p65/RelA acetylation levels in C2C12 cells^[1].

In Vivo: SRT2104 (100 mg/kg, p.o.) improves whole-body physiology and extends lifespan in mice fed a standard diet. SRT2104 increases mitochondrial content and suppresses the inflammatory response in SD-fed mice. SRT2104 also changes the gene expression profile differently in liver and muscle. Short-term SRT2104 preserves muscle and bone mass^[1]. 0.5% SRT2104 diet penetrates the blood-brain barrier, attenuates brain atrophy, improves motor function, and extends survival in a mouse model of Huntington's disease^[2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!