

SIRT1 Inhibitor, EX-527

Cat. No. CEI-0647

Lot. No. (See product label)

Introduction

Description

A potent SIRT1 inhibitor ($IC_{50} = 38 \text{ nM}$). EX-527 is 200-500-fold more selective for SIRT1 than for SIRT2 or SIRT3. Does not inhibit SIRT4-7, does not inhibit class I/II HDAC activity at concentrations up to $100 \mu\text{M}$. Enhances p53 acetylation in response to DNA damaging agents.

Product Information

Appearance	Off-white solid
CAS No.	49843-98-3
Molecular Formula	$\text{C}_{13}\text{H}_{13}\text{ClN}_2\text{O}$
Chemical Name	EX-527, 6-Chloro-2,3,4,9-tetrahydro-1H-carbazole-1-carboxamide
Molecular Weight	205.22
Purity	>97% by HPLC
Targets	SIRT1
Solubility	DMSO (>10 mg/ml) or H_2O (>10 mg/ml)

Storage and Shipping Information

Storage	-20 centigrade
Shipping Conditions	Gel pack