

SRT 1460

Chemical Properties

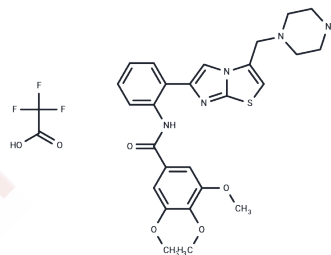
CAS No. : 925432-73-1

Formula: C₂₆H₂₉N₅O₄S

Molecular Weight: 507.6

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	SRT 1460 is a SIRT1 activator.
Targets(IC50)	Sirtuin
In vitro	SRT1460 inhibited cell growth and survival of pancreatic cancer cells[1].
Cell Research	Patu8988t (pancreatic cancer cells), Panc-1 (pancreatic cancer cells), SU86.86 (pancreatic cancer cells), HPDE cells.?Concentration:2 μM, 4 μM, 6 μM.?Incubation Time: 72 hours[1]

Solubility Information

Solubility	DMSO: 5.08 mg/mL (10.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.97 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9701 mL	9.8503 mL	19.7006 mL
5 mM	0.394 mL	1.9701 mL	3.9401 mL
10 mM	0.197 mL	0.985 mL	1.9701 mL
50 mM	0.0394 mL	0.197 mL	0.394 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Chini CC, Espindola-Netto JM, Mondal G, et al. SIRT1-Activating Compounds (STAC) Negatively Regulate Pancreatic Cancer Cell Growth and Viability Through a SIRT1 Lysosomal-Dependent Pathway[J]. clinical cancer research, 2016, 22(10):2496-2507.

SRT1720, SRT2183, SRT1460, and resveratrol are not direct activators of SIRT1. J Biol Chem. 2010 Mar 12;285(11):8340-51. Pacholec M, Bleasdale JE, Chrnyk B, et al.

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