

SRT3657

## Chemical Properties

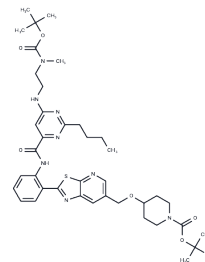
CAS No. : 1383551-17-4

Formula: C<sub>40</sub>H<sub>54</sub>N<sub>8</sub>O<sub>6</sub>S

Molecular Weight: 774.97

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	SRT3657 is a brain-permeable SIRT1 activator, has neuroprotective effect.
Targets(IC50)	Sirtuin
In vivo	In CK-p25 mice, SRT3657 (30 mg/kg; i.g.; daily; for 6 weeks) activates SIRT1 . SRT3657 treatment prevents synaptic and neuronal loss and effectively rescues against neurodegeneration-driven memory impairments. SRT3657 recapitulates the neuroprotective potential of caloric restriction (CR).

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2904 mL	6.4519 mL	12.9037 mL
5 mM	0.2581 mL	1.2904 mL	2.5807 mL
10 mM	0.129 mL	0.6452 mL	1.2904 mL
50 mM	0.0258 mL	0.129 mL	0.2581 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

Gräff J, et al. A dietary regimen of caloric restriction or pharmacological activation of SIRT1 to delay the onset of neurodegeneration. J Neurosci. 2013 May 22;33(21):8951-60.

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