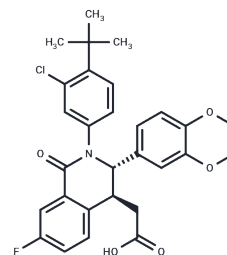


STING ligand-1

Chemical Properties

CAS No. :	2365039-41-2
Formula:	C ₂₉ H ₂₇ ClFNO ₅
Molecular Weight:	523.98
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	STING ligand-1 is a lead stimulator of the STING pathway with an IC ₅₀ of 68 nM for HAQ. STING, STING ligand-1 I shows potential in research related to inflammation and immunology.
Targets(IC50)	STING
In vitro	STING ligand-1 exhibits good oral exposure, slow binding kinetics, and functional inhibition of STING-mediated cytokine release [1].

Solubility Information

Solubility	DMSO: 80 mg/mL (152.68 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9085 mL	9.5423 mL	19.0847 mL
5 mM	0.3817 mL	1.9085 mL	3.8169 mL
10 mM	0.1908 mL	0.9542 mL	1.9085 mL
50 mM	0.0382 mL	0.1908 mL	0.3817 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

Siu T, et al. Discovery of a Novel cGAMP Competitive Ligand of the Inactive Form of STING. ACS Med Chem Lett. 2018 Dec 6;10(1):92-97.

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