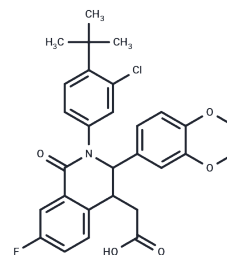


STING18

Chemical Properties

CAS No. :	2706536-26-5
Formula:	C ₂₉ H ₂₇ ClFNO ₅
Molecular Weight:	523.98
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	STING18 is a competitive ligand of stimulator of interferon genes (STING; IC ₅₀ = 0.068 μM in a radioligand binding assay). ¹ It inhibits cGAMP-induced IFN-β production (IC ₅₀ = 11 μM) but does not stimulate IFN-β production (EC ₅₀ = >30 μM) in THP-1 cells.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMF:PBS (pH 7.2) (1:8): 0.11 mg/mL (0.21 mM),Sonication is recommended. DMSO: 5.29 mg/mL (10.1 mM),Sonication is recommended. DMF: 10 mg/mL (19.08 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., Altman, M.D., Baltus, G.A., et al. Discovery of a novel cGAMP competitive ligand of the inactive form of STING. Med. Chem. Lett. 10(1), 92-97 (2019).

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