

STING agonist-3

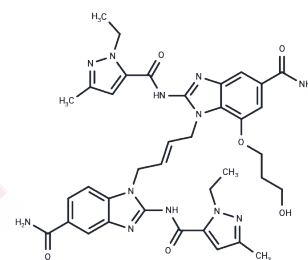
Chemical Properties

CAS No. : 2138299-29-1

Formula: C37H42N12O6

Molecular Weight: 750.81

Storage: Keep away from moisture, Store at low temperature
 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	STING agonist-3 (example 10) is a selective and non-nucleotide STING agonist (pEC50 = 7.5, pIC50 = 9.5), with a persistent anti-tumor effect.
Targets(IC50)	STING

Solubility Information

Solubility	DMSO: 32 mg/mL (42.62 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: 3.3 mg/mL (4.4 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	1.3319 mL	6.6595 mL	13.3189 mL
5 mM	0.2664 mL	1.3319 mL	2.6638 mL
10 mM	0.1332 mL	0.6659 mL	1.3319 mL
50 mM	0.0266 mL	0.1332 mL	0.2664 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

Adam Kenneth, et al. Heterocyclic amides useful as protein modulators.patent WO2017175147A1

Ramanjulu JM, et al. Design of amidobenzimidazole STING receptor agonists with systemic activity [published correction appears in Nature. 2019 Jun;570(7761):E53. doi: 10.1038/s41586-019-1265-5]. Nature. 2018;564(7736):439-443.

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