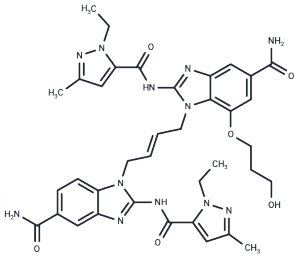
Data Sheet (Cat.No.T13014)

TargetMol

STING agonist-3

Chemical Properties



CAS No. : 2138299-29-1

Formula: C37H42N12O6

Molecular Weight: 750.81

Appearance: no data available

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

Biological Description

Description	STING agonist-3 is a selective and non-nucleotide small-molecule STING agonist(pEC50 and pIC50 of 7.5 and 9.5, respectively), has durable anti-tumor effect and tremendous potential to improve treatment of cancer.
Targets(IC50)	Others
In vitro	STING agonist-3 exhibits activation of STING in cells(pEC50 of 7.5), this assay is determined using a luciferase reporter assay in human embryonic kidney cells (HEK293T) co-transfected with plasmids expressing STING and the enzyme firefly luciferase driven by the interferon stimulated response element promoter.In FRET assay, STING agonist-3 exhibits a pIC50 value of 9.5 . This is a competition binding assay which aims to determine the binding potency of molecules to the C-terminal Domain (CTD) of human STING.

Solubility Information

Solubility	DMSO: 125 mg/mL (166.49 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

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.

Reference

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

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