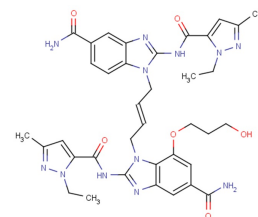


## STING agonist-3

## Chemical Properties

CAS No.:	2138299-29-1
Formula:	C37H42N12O6
Molecular Weight:	750.81
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## 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: None
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) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.332 mL	6.659 mL	13.319 mL
5 mM	0.266 mL	1.332 mL	2.664 mL
10 mM	0.133 mL	0.666 mL	1.332 mL
50 mM	0.027 mL	0.133 mL	0.266 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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