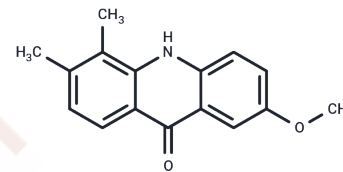


## STING Agonist 12b

## Chemical Properties

CAS No. :	2411100-70-2
Formula:	C <sub>16</sub> H <sub>15</sub> NO <sub>2</sub>
Molecular Weight:	253.3
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	STING agonist 12b is an agonist of stimulator of interferon genes (STING). It binds to STING (K <sub>d</sub> = 26.4 μM) and induces interferon reporter gene expression in cells expressing human or mouse STING (EC <sub>50</sub> s = 7.45 and 10.23 μM, respectively). STING agonist 12b (40 μM) induces expression of TNF-α, IL-6, IP-10, and IL-1β in THP-1 cells.
Targets(IC <sub>50</sub> )	Others,STING

## Solubility Information

Solubility	DMSO: 1 mg/mL (3.95 mM),Sonication is recommended. DMF: 1 mg/mL (3.95 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	3.9479 mL	19.7394 mL	39.4789 mL
5 mM	0.7896 mL	3.9479 mL	7.8958 mL
10 mM	0.3948 mL	1.9739 mL	3.9479 mL
50 mM	0.079 mL	0.3948 mL	0.7896 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

Hou, S., Lan, X.-j., Li, W., et al. Design, synthesis and biological evaluation of acridone analogues as novel STING receptor agonists. *Bioorg. Chem.* 95:103556(2020)

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