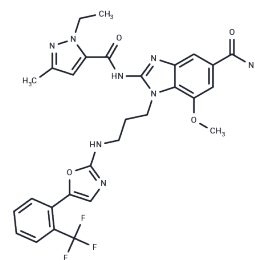


## STING Agonist D61

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 2850251-27-1  |
| Formula:          | C29H29F3N8O4  |
| Molecular Weight: | 610.60  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | STING agonist D61 is a compound that activates the stimulator of interferon genes (STING), leading to the induction of IFN3-inducible secreted alkaline phosphatase (SEAP) and IFN-β-inducible reporter genes in cellular assays, with half-maximal effective concentrations (EC50s) of 52.9 and 116 nM, respectively. At concentrations of 4, 6, and 8 μM, D61 enhances the production of IFN-β and chemokine (C-X-C motif) ligand 10 (CXCL10) mRNA, as well as the phosphorylation of TANK-binding kinase 1 (TBK1), IRF3, and STING in THP-1 monocytes. Additionally, when administered at a dose of 0.25 mg/kg every other day, D61 effectively reduces tumor volume in a CT26 murine colon cancer model without impacting the body weight of the subjects. |
| Targets(IC50) | Others,STING   |

## Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: Soluble<br>Ethanol: Soluble<br>Methanol: Soluble<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

### Preparing Stock Solutions

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|       | <b>1mg</b> | <b>5mg</b> | <b>10mg</b> |
|-------|------------|------------|-------------|
| 1 mM  | 1.6377 mL  | 8.1887 mL  | 16.3773 mL  |
| 5 mM  | 0.3275 mL  | 1.6377 mL  | 3.2755 mL   |
| 10 mM | 0.1638 mL  | 0.8189 mL  | 1.6377 mL   |
| 50 mM | 0.0328 mL  | 0.1638 mL  | 0.3275 mL   |

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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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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