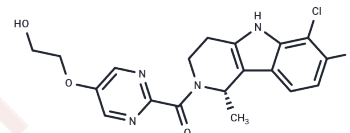


## cGAS-IN-4

## Chemical Properties

CAS No. :	2987886-49-5
Formula:	C19H18Cl2N4O3
Molecular Weight:	421.277
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	cGAS-IN-4 (Compound 36) is an orally active inhibitor of cyclic GMP-AMP synthase (cGAS) with IC50 values of 32 nM for human cGAS (h-cGAS) and 5.8 nM for mouse cGAS (m-cGAS). In THP-1 cells, cGAS-IN-4 inhibits cGAMP with an IC50 of 60 nM, enhancing cellular potency. Additionally, cGAS-IN-4 exhibits anti-inflammatory effects in a mouse model of Concanavalin A-induced acute liver injury.
Targets(IC50)	cGAS

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3737 mL	11.8686 mL	23.7372 mL
5 mM	0.4747 mL	2.3737 mL	4.7474 mL
10 mM	0.2374 mL	1.1869 mL	2.3737 mL
50 mM	0.0475 mL	0.2374 mL	0.4747 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.

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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