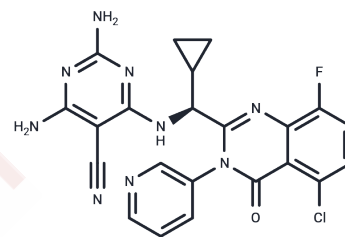


GS-9901

## Chemical Properties

CAS No. : 1640247-87-5  
 Formula: C<sub>22</sub>H<sub>17</sub>ClFN<sub>9</sub>O  
 Molecular Weight: 477.88  
 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	GS-9901 is a selective, orally active and potent PI3K $\delta$ inhibitor (IC <sub>50</sub> : 1 nM) for the study of non-Hodgkin's lymphoma and chronic lymphocytic leukemia.
Targets(IC <sub>50</sub> )	PI3K
In vivo	In female Lewis rats with established collagen-induced arthritis (CIA), GS-9901 (0.3 mg/kg, 1 mg/kg, and 3 mg/kg; orally, twice daily for 7 days starting on the 10th day after the second collagen immunization) significantly reduced ankle swelling[1].

## Solubility Information

Solubility	DMSO: 120 mg/mL (251.11 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	2.0926 mL	10.4629 mL	20.9258 mL
5 mM	0.4185 mL	2.0926 mL	4.1852 mL
10 mM	0.2093 mL	1.0463 mL	2.0926 mL
50 mM	0.0419 mL	0.2093 mL	0.4185 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

Patel L, et al. Discovery of Orally Efficacious Phosphoinositide 3-Kinase  $\delta$  Inhibitors with Improved Metabolic Stability. J Med Chem. 2016 Oct 13;59(19):9228-9242.

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

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