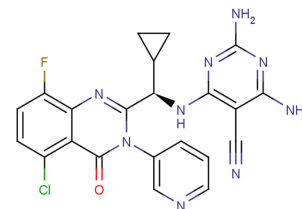


GS-9901

Chemical Properties

CAS No.:	1640247-87-5
Formula:	C ₂₂ H ₁₇ ClFN ₉ O
Molecular Weight:	477.88
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	GS-9901 is a highly selective and orally active inhibitor of PI3K δ (IC ₅₀ : 1 nM). It also has the potential to treat rheumatoid arthritis.
Targets(IC ₅₀)	PI3K δ : 1 nM
In vivo	GS-9901 (0.3/1/3 mg/kg, orally, twice daily for 7 days) shows efficacy in a rat model of arthritis. GS-9901 (0.3/1/3 mg/kg, orally, twice daily for 7 days) is predicted to be suitable for q.d. dosing in humans.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.093 mL	10.463 mL	20.926 mL
5 mM	0.419 mL	2.093 mL	4.185 mL
10 mM	0.209 mL	1.046 mL	2.093 mL
50 mM	0.042 mL	0.209 mL	0.419 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. Patel L, et al. Discovery of Orally Efficacious Phosphoinositide 3-Kinase δ Inhibitors with Improved Metabolic Stability. J Med Chem. 2016 Oct 13;59(19):9228-9242.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481