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**Product Data Sheet**

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Product Name: GS-9901  
Cat. No.: GC36186

**Chemical Properties**

Cas. No. 1640247-87-5

SMILES NC1=NC(N)=NC(N[C@H](C2CC2)C(N3C4=CN=CC=C4)=NC5=C(F)C=CC(Cl)=C5C3=O)=C1C#N

Formula  $C_{22}H_{17}ClFN_9O$  M.Wt 477.88

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

**Background**

GS-9901 is a highly selective and orally active PI3K $\delta$  inhibitor, with an IC<sub>50</sub> of 1 nM. Has potential to treat rheumatoid arthritis[1]. PI3K $\delta$  1 nM (IC<sub>50</sub>)

GS-9901 (0.3/1/3 mg/kg, orally, twice daily for 7 days) demonstrates efficacy in a rat model of arthritis and is predicted to be suitable for q.d. dosing in humans[1]. Animal Model: Female Lewis rats with established collagen-induced arthritis (CIA)[1].

[1]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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