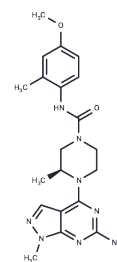


UCB9608

## Chemical Properties

CAS No. : 1616413-96-7  
 Formula: C<sub>20</sub>H<sub>26</sub>N<sub>8</sub>O<sub>2</sub>  
 Molecular Weight: 410.47  
 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	UCB9608 is a selective and orally active PI4KIIIβ inhibitor (IC <sub>50</sub> : 11 nM), selective over PI3K2 α, β, and γ lipid kinases.
Targets(IC <sub>50</sub> )	PI4K

## Solubility Information

Solubility	DMSO: 70 mg/mL (170.54 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.87 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4362 mL	12.1812 mL	24.3623 mL
5 mM	0.4872 mL	2.4362 mL	4.8725 mL
10 mM	0.2436 mL	1.2181 mL	2.4362 mL
50 mM	0.0487 mL	0.2436 mL	0.4872 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

Reuberson J, et al. Discovery of a Potent, Orally Bioavailable PI4KIII $\beta$  Inhibitor (UCB9608) Able To Significantly Prolong Allogeneic Organ Engraftment in Vivo. J Med Chem. 2018 Aug 9;61(15):6705-6723.

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

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