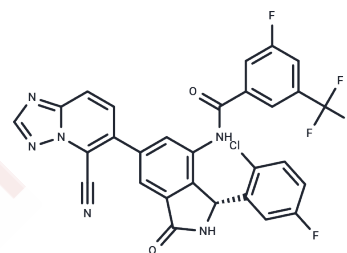


RLY-2608

## Chemical Properties

CAS No. :	2733573-94-7
Formula:	C <sub>29</sub> H <sub>14</sub> ClF <sub>5</sub> N <sub>6</sub> O <sub>2</sub>
Molecular Weight:	608.91
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	RLY-2608 is a selective mutant PI3K $\alpha$ inhibitor that inhibits tumor growth in a PIK3CA mutant xenograft model.
Targets(IC50)	PI3K

## Solubility Information

Solubility	DMSO: 80 mg/mL (131.38 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: 5 mg/mL (8.21 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	1.6423 mL	8.2114 mL	16.4228 mL
5 mM	0.3285 mL	1.6423 mL	3.2846 mL
10 mM	0.1642 mL	0.8211 mL	1.6423 mL
50 mM	0.0328 mL	0.1642 mL	0.3285 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

Andreas Varkaris, et al. Discovery and clinical proof-of-concept of RLY-2608, a first-in-class mutant-selective allosteric PI3Ka inhibitor that decouples anti-tumor activity from hyperinsulinemia. Cancer Discov. 2023 Nov 2.

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