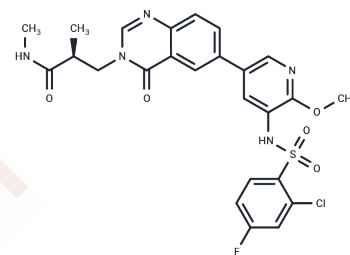


(S)-PI3K $\alpha$ -IN-4

## Chemical Properties

CAS No. :	2322293-84-3
Formula:	C <sub>25</sub> H <sub>23</sub> ClFN <sub>5</sub> O <sub>5</sub> S
Molecular Weight:	560
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	(S)-PI3K $\alpha$ -IN-4, a potent inhibitor of PI3K $\alpha$ with an IC <sub>50</sub> of 2.3 nM, demonstrates 38.3-, 4.25-, and 4.93-fold selectivity over PI3K $\beta$ , PI3K $\delta$ , and PI3K $\gamma$ , respectively, and is suitable for cancer research[1]. (S)-PI3K $\alpha$ -IN-4 (compound 11) is a quinazolin-4(3H)-one derivative with 2-substituted-N-methylpropanamide substitution[1].
Targets(IC <sub>50</sub> )	Others,PI3K

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7857 mL	8.9286 mL	17.8571 mL
5 mM	0.3571 mL	1.7857 mL	3.5714 mL
10 mM	0.1786 mL	0.8929 mL	1.7857 mL
50 mM	0.0357 mL	0.1786 mL	0.3571 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

Dong J, et, al. Discovery of 3-Quinazolin-4(3 H)-on-3-yl-2, N-dimethylpropanamides as Orally Active and Selective PI3K $\alpha$  Inhibitors. ACS Med Chem Lett. 2020 Jun 10;11(7):1463-1469.

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