

JAB-3068

Chemical Properties

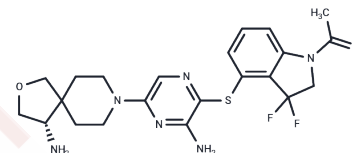
CAS No. : 2169223-48-5

Formula: C₂₂H₂₆F₂N₆O₂S

Molecular Weight: 476.54

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	JAB-3068 (SHP2-IN-6) is a potent SHP2 inhibitor exhibiting anticancer and antitumor properties, designed for research in breast, lung, and esophageal cancers.
Targets(IC50)	Phosphatase
In vitro	JAB-3068 (SHP2-IN-6) is a potent PTPN11 and SHP2 inhibitor that blocks SHP2-mediated signaling, demonstrating potential anti-tumor activity[1].

Solubility Information

Solubility	DMSO: 100 mg/mL (209.85 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0985 mL	10.4923 mL	20.9846 mL
5 mM	0.4197 mL	2.0985 mL	4.1969 mL
10 mM	0.2098 mL	1.0492 mL	2.0985 mL
50 mM	0.042 mL	0.2098 mL	0.4197 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

- Song Z, et al. Tyrosine phosphatase SHP2 inhibitors in tumor-targeted therapies. Acta Pharm Sin B. 2021 Jan;11(1): 13-29.
- Song Z, et al. Tyrosine phosphatase SHP2 inhibitors in tumor-targeted therapies. Acta Pharm Sin B. 2021 Jan;11(1): 13-29.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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