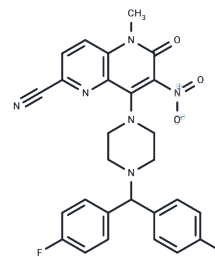


BMS-502

Chemical Properties

CAS No. :	2407854-18-4
Formula:	C ₂₇ H ₂₂ F ₂ N ₆ O ₃
Molecular Weight:	516.5
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	BMS-502 is a potent dual inhibitor of diacylglycerol kinase (DGK) α and ζ that induces immune responses in human and mouse T cells and blocks intracellular checkpoint signaling in T cells. BMS-502 stimulates immune responses in a dose-dependent manner and can be used to study immune-related diseases.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 80 mg/mL (154.89 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	1.9361 mL	9.6805 mL	19.3611 mL
5 mM	0.3872 mL	1.9361 mL	3.8722 mL
10 mM	0.1936 mL	0.9681 mL	1.9361 mL
50 mM	0.0387 mL	0.1936 mL	0.3872 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

Chupak L, et al. Discovery of Potent, Dual-Inhibitors of Diacylglycerol Kinases Alpha and Zeta Guided by Phenotypic Optimization. ACS Med Chem Lett. 2023 Jun 12;14(7):929-935.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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