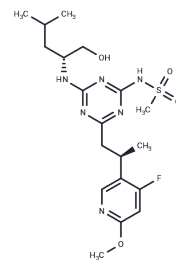


AZD0233

Chemical Properties

CAS No. : 3036141-78-0
 Formula: C₁₉H₂₉FN₆O₄S
 Molecular Weight: 456.54
 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	AZD0233 is an orally active CX3CR1 antagonist that immunomodulates the CX3CR1/CX3CL1 signaling axis. It improves cardiac function in dilated cardiomyopathy mouse models while reducing macrophage infiltration and fibrotic scarring.
Targets(IC50)	CXCR
In vivo	AZD0233 can improve the cardiac function of mice with dilated cardiomyopathy and reduce macrophages and fibrotic scars[1].

Solubility Information

Solubility	DMSO: 4 mg/mL (8.76 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	2.1904 mL	10.9519 mL	21.9039 mL
5 mM	0.4381 mL	2.1904 mL	4.3808 mL
10 mM	0.219 mL	1.0952 mL	2.1904 mL
50 mM	0.0438 mL	0.219 mL	0.4381 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

Nilsson K, et al. AZD0233: An oral CX3CR1 antagonist in development for the treatment of cardiovascular disease. American Chemical Society. 2025 Aug 20.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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