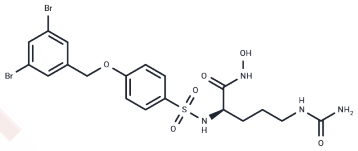
Data Sheet (Cat.No.T27654)

TargetMol

JG26

Chemical Properties



CAS No. : 1464910-32-4

Formula: C19H22Br2N4O6S

Molecular Weight: 594.27

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	JG26 is a potent inhibitor of ADAM17, which can inhibit ADAM8, ADAM17, ADAM10 and MMP-12, with IC50 values of 12 nM, 1.9 nM, 150 nM and 9.4 nM, respectively, and can be used to study the immune system of the body.
Targets(IC50)	MMP,ERK,EGFR,Angiotensin-converting Enzyme (ACE),Immunology/Inflammation related,SARS-CoV

Solubility Information

Solubility	DMSO: 50 mg/mL (84.14 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: 2 mg/mL (3.37 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6827 mL	8.4137 mL	16.8274 mL
5 mM	0.3365 mL	1.6827 mL	3.3655 mL
10 mM	0.1683 mL	0.8414 mL	1.6827 mL
50 mM	0.0337 mL	0.1683 mL	0.3365 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

Doretta Cuffaro, et al. Discovery of Dimeric Arylsulfonamides as Potent ADAM8 Inhibitors. ACS Med Chem Lett. 2021 Oct 8;12(11):1787-1793.

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