

RU-302

Chemical Properties

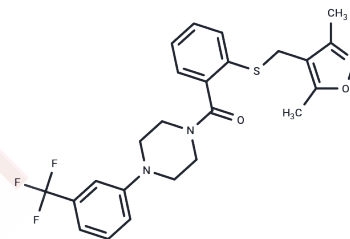
CAS No. : 1182129-77-6

Formula: C₂₄H₂₄F₃N₃O₂S

Molecular Weight: 475.53

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	RU-302 is a pan inhibitor of TAM Receptor blocking the interface between the TAM Ig1 ectodomain and the Gas6 Lg domain. RU-302 effectively blocks the activation of Gas6-inducible AXL and suppresses lung cancer tumor growth.
Targets(IC50)	TAM Receptor

Solubility Information

Solubility	DMSO: 90 mg/mL (189.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (6.94 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1029 mL	10.5146 mL	21.0292 mL
5 mM	0.4206 mL	2.1029 mL	4.2058 mL
10 mM	0.2103 mL	1.0515 mL	2.1029 mL
50 mM	0.0421 mL	0.2103 mL	0.4206 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

Kimani SG, et al. Small molecule inhibitors block Gas6-inducible TAM activation and tumorigenicity. Sci Rep. 2017 Mar 8;7:43908.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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