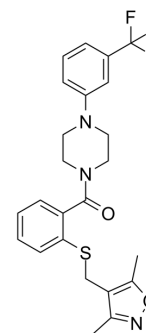


RU-302

Cat. No.:	HY-124066		
CAS No.:	1182129-77-6		
Molecular Formula:	C ₂₄ H ₂₄ F ₃ N ₃ O ₂ S		
Molecular Weight:	475.53		
Target:	TAM Receptor		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (210.29 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				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	
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (5.26 mM); Suspended solution; Need ultrasonic						

BIOLOGICAL ACTIVITY

Description	RU-302 is a pan TAM inhibitor that blocks the interface between the TAM Ig1 ectodomain and the Gas6 Lg domain. RU-302 effectively blocks Gas6-inducible Axl receptor activation with a low micromolar IC ₅₀ in cell assays, and suppresses lung cancer tumor growth ^[1] .
IC ₅₀ & Target	TAM, Axl ^[1]

REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA