

ERAP2-IN-1

Chemical Properties

CAS No. :	2420551-38-6
Formula:	C ₂₀ H ₂₁ F ₃ N ₂ O ₅ S
Molecular Weight:	458.45
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	ERAP2-IN-1 is a non-competitive inhibitor of endoplasmic reticulum aminopeptidase 2 (ERAP2). ERAP2-IN-1 specifically inhibits the peptidase activity of ERAP2, blocking the hydrolysis of Arg-AMC (IC ₅₀ : 27 μM) and the hydrolysis of model peptides (IC ₅₀ : 44 μM).
Targets(IC50)	Others,Aminopeptidase

Solubility Information

Solubility	DMSO: 200 mg/mL (436.25 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	2.1813 mL	10.9063 mL	21.8126 mL
5 mM	0.4363 mL	2.1813 mL	4.3625 mL
10 mM	0.2181 mL	1.0906 mL	2.1813 mL
50 mM	0.0436 mL	0.2181 mL	0.4363 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

Arya R, et al. Phenylsulfamoyl Benzoic Acid Inhibitor of ERAP2 with a Novel Mode of Inhibition. ACS Chem Biol. 2022 Jun 29.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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