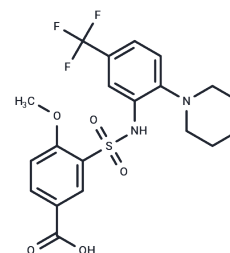


ERAP1-IN-1

Chemical Properties

CAS No. :	865273-97-8
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	ERAP1-IN-1 is an endoplasmic reticulum aminopeptidase 1 (ERAP1) inhibitor that allosterically activates ERAP1's hydrolysis of fluorogenic and chromogenic amino acid substrates, while competitively inhibiting its activity toward a nonamer peptide representative of physiological substrates.
Targets(IC50)	Others,Aminopeptidase
In vitro	ERAP1-IN-1 (50 μM) exhibits specific inhibition of ERAP1 in the cellular context. ERAP1-IN-1 allosterically activates ERAP1's hydrolysis of fluorogenic and chromogenic amino acid substrates.

Solubility Information

Solubility	DMSO: 250 mg/mL (545.32 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 (7.2 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	2.1813 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

Maben Z, et al. Discovery of Selective Inhibitors of Endoplasmic Reticulum Aminopeptidase 1. J Med Chem. 2019 Dec 30.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481