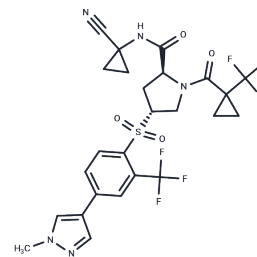


Petesicatib

Chemical Properties

CAS No. :	1252637-35-6
Formula:	C ₂₅ H ₂₃ F ₆ N ₅ O ₄ S
Molecular Weight:	603.54
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Petesicatib (RG 7625) is a small molecule histone-S (Cat-S) inhibitor for the study of primary dry syndrome and autoimmune diseases.
Targets(IC50)	Cysteine Protease
In vitro	Petesicatib (Example 238) is a cathepsin S inhibitor used in the study of immune diseases.[1]

Solubility Information

Solubility	DMSO: 100 mg/mL (165.69 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: 4 mg/mL (6.63 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	1.6569 mL	8.2845 mL	16.5689 mL
5 mM	0.3314 mL	1.6569 mL	3.3138 mL
10 mM	0.1657 mL	0.8284 mL	1.6569 mL
50 mM	0.0331 mL	0.1657 mL	0.3314 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

Rubén Alvarez Sánchez, et al. Novel proline derivatives. US20100267722A1

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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