

Aderamastat

Chemical Properties

CAS No. : 877176-23-3

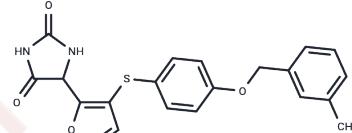
Formula: C21H18N2O4S

Molecular Weight: 394.44

Appearance: Solid

Storage: store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Aderamastat (FP-025) is an orally active matrix metalloproteinase 12 (MMP-12) inhibitor used for research in allergic asthma, COPD, and pulmonary fibrosis.
Targets(IC50)	MMP

Solubility Information

Solubility	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (8.37 mM), Sonication is recommended. DMSO: 80 mg/mL (202.82 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	2.5352 mL	12.6762 mL	25.3524 mL
5 mM	0.507 mL	2.5352 mL	5.0705 mL
10 mM	0.2535 mL	1.2676 mL	2.5352 mL
50 mM	0.0507 mL	0.2535 mL	0.507 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.

Reference

Li, Yuhua, et al. Safe administration of MMP-12 inhibitor. Patent. WO2022261624 A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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