

MORF-627

Chemical Properties

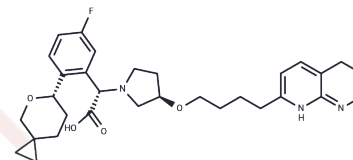
CAS No. : 2412688-16-3

Formula: C₃₁H₄₀FN₃O₄

Molecular Weight: 537.67

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	MORF-627 is an orally active selective inhibitor of integrin $\alpha\beta 6$ (integrin $\alpha\beta 6$), with an IC ₅₀ of 9.2 nM as measured in a human serum ligand binding assay. It effectively inhibits $\alpha\beta 6$ -mediated activation of TGF- $\beta 1$ with an IC ₅₀ of 2.63 nM and suppresses SMAD2/3 phosphorylation, showing an IC ₅₀ of 8.3 nM. Additionally, MORF-627 ameliorates bleomycin-induced pulmonary fibrosis in mice.
Targets(IC ₅₀)	Integrin, TGF-beta/Smad

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8599 mL	9.2994 mL	18.5988 mL
5 mM	0.372 mL	1.8599 mL	3.7198 mL
10 mM	0.186 mL	0.9299 mL	1.8599 mL
50 mM	0.0372 mL	0.186 mL	0.372 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.

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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