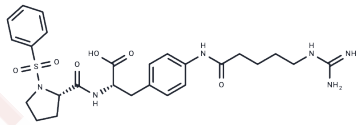
Data Sheet (Cat.No.T13473)

TargetMol

αvβ1 integrin-IN-1

Chemical Properties



CAS No. : 1689540-62-2

Formula: C26H34N6O6S

Molecular Weight: 558.65

Appearance: no data available

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

Biological Description

Description	αvβ1 integrin-IN-1 is a potent and selective inhibitor of αvβ1 integrin (IC50 of 0.63 nM) with antifibrotic effects.
Targets(IC50)	Integrin
In vitro	In a murine model of liver and lung fibrosis, the administration of αvβ1 integrin-IN-1 leads to a significant reduction in the expression of fibrotic markers.[1]

Solubility Information

Solubility	DMSO: 250 mg/mL (447.51 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.790 mL	8.9501 mL	17.9003 mL
5 mM	0.358 mL	1.790 mL	3.5801 mL
10 mM	0.179 mL	0.895 mL	1.790 mL
50 mM	0.0358 mL	0.179 mL	0.358 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

Reed NI, et al. Exploring N-Arylsulfonyl-l-proline Scaffold as a Platform for Potent and Selective αvβ1 Integrin Inhibitors. ACS Med Chem Lett. 2016 ; 7(10):902-907.

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