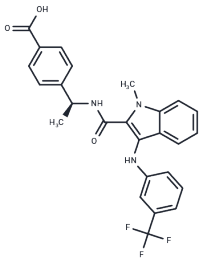
Data Sheet (Cat.No.T78710)

TargetMol

AMX12006

Chemical Properties



CAS No. : 2639775-01-0

Formula: C26H22F3N3O3

Molecular Weight: 481.47

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	AMX12006, a potent and selective EP4 antagonist, exhibits cytotoxic and antitumor activity, demonstrating oral activity with an IC50 of 4.3 nM [1].
Targets(IC50)	Prostaglandin Receptor
In vitro	AMX12006, at concentrations ranging from 0 to 100 μM, exhibits cytotoxic effects with IC50 values of 46.73 μM for MCF-7, 79.47 μM for 4T1, over 100 μM for HCA-7, 41.39 μM for CT-26 WT, and over 100 μM for LLC cells [1].
In vivo	AMX12006, administered orally at doses of 75 and 150 mg/kg once daily for 11 days, demonstrated dose-dependent antitumor activity [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.077 mL	10.3849 mL	20.7697 mL
5 mM	0.4154 mL	2.077 mL	4.1539 mL
10 mM	0.2077 mL	1.0385 mL	2.077 mL
50 mM	0.0415 mL	0.2077 mL	0.4154 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

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