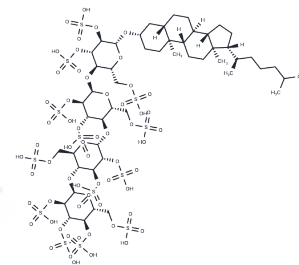


Pixatimod

Chemical Properties

CAS No. :	1144617-49-1
Formula:	C51H88O60S13
Molecular Weight:	2078.05
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	Pixatimod (also known as PG-545) is a synthetic modified heparan sulfate mimetic and an agonist of Toll-like receptor 9 (TLR9), showcasing potential immunostimulatory, antitumor, and antiviral properties. It effectively inhibits SARS-CoV-2 by disrupting the interaction between the spike protein and ACE2. Moreover, Pixatimod blocks cancer-promoting processes such as cell proliferation, invasion, metastasis, angiogenesis, and epithelial-mesenchymal transition. These activities have demonstrated significant efficacy across various murine cancer models, including approximately 30 xenograft models and 20 syngeneic models. Pixatimod has been tested in combination with several approved anticancer compounds, underscoring its clinical potential, with drugs like gemcitabine, paclitaxel, sorafenib, platinum-based compounds, and an anti-PD-1 antibody.
Targets(IC50)	SARS-CoV,TLR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4812 mL	2.4061 mL	4.8122 mL
5 mM	0.0962 mL	0.4812 mL	0.9624 mL
10 mM	0.0481 mL	0.2406 mL	0.4812 mL
50 mM	0.0096 mL	0.0481 mL	0.0962 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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481