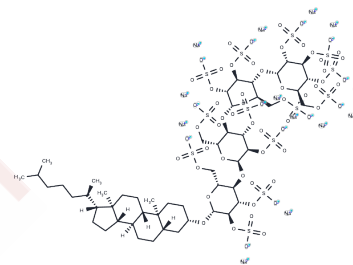


## Pixatimod sodium

## Chemical Properties

CAS No. :	1144492-69-2
Formula:	C51H75Na13O60S13
Molecular Weight:	2363.82
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 carbohydrate-modified heparan sulfate mimetic and a Toll-like receptor 9 (TLR9) agonist. It exhibits potential immunostimulatory, antitumor, and antiviral effects. Pixatimod effectively inhibits SARS-CoV-2 by disrupting the spike protein-ACE2 interaction. Additionally, it blocks various cancer-promoting processes such as cell proliferation, invasion, metastasis, angiogenesis, and epithelial-mesenchymal transition. These effects have demonstrated significant efficacy in numerous mouse cancer models, including about 30 xenograft models and 20 syngeneic models. Pixatimod has been tested in combination with several approved anticancer compounds, showing clinical potential when used with gemcitabine, paclitaxel, sorafenib, platinum compounds, and anti-PD-1 antibodies.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.423 mL	2.1152 mL	4.2304 mL
5 mM	0.0846 mL	0.423 mL	0.8461 mL
10 mM	0.0423 mL	0.2115 mL	0.423 mL
50 mM	0.0085 mL	0.0423 mL	0.0846 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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