

a15:0-i15:0 PE

Chemical Properties

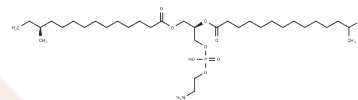
CAS No. : 2936622-21-6

Formula: C35H70NO8P

Molecular Weight: 663.91

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	a15:0-i15:0 PE is a dia-cyl phosphatidylethanolamine with two branched chains. It functions as an atypical TLR2-TLR1 heterodimer agonist and is immunogenic. This compound activates T cell and dendritic cell (DC) signaling, exhibiting anti-inflammatory properties. Additionally, a15:0-i15:0 PE induces the production of TNF α and IL-6. It is a major component of the A. muciniphila lipid membrane, constituting approximately 50%.
Targets(IC50)	Interleukin,TLR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5062 mL	7.5311 mL	15.0623 mL
5 mM	0.3012 mL	1.5062 mL	3.0125 mL
10 mM	0.1506 mL	0.7531 mL	1.5062 mL
50 mM	0.0301 mL	0.1506 mL	0.3012 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