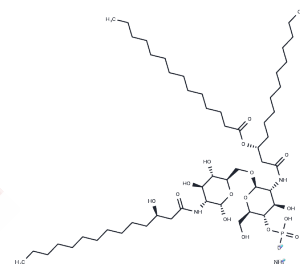


## 3A-MPLA

## Chemical Properties

CAS No. :	1699735-80-2
Formula:	C54H106N3O17P
Molecular Weight:	1100.42
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	Monophosphoryl lipid A (MPLA) is a natural agonist for the toll-like receptor-4 (TLR4). It is useful as an adjuvant in immunization. MPLA is a safe prophylactic agent and has immunotherapeutic applications. It induces tumor necrosis factor and interleukin (IL)-1 $\beta$ , however not as efficient as lipopolysaccharide (LPS). MPLA improves immune response during bacterial sepsis infection.
Targets(IC50)	Others,TLR

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9087 mL	4.5437 mL	9.0874 mL
5 mM	0.1817 mL	0.9087 mL	1.8175 mL
10 mM	0.0909 mL	0.4544 mL	0.9087 mL
50 mM	0.0182 mL	0.0909 mL	0.1817 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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