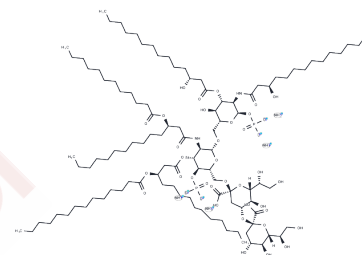


Kdo2-Lipid A ammonium

Chemical Properties

CAS No. :	1246298-62-3
Formula:	C110H214N6O39P2
Molecular Weight:	2306.84
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Kdo2-Lipid A ammonium (KLA) is a selective and potent TLR4 agonist, a lipopolysaccharide. Kdo2-Lipid A ammonium induces the release of TNF and PGE2.
Targets(IC50)	Prostaglandin Receptor, TLR, TNF
In vitro	Stimulation with Kdo2-Lipid A ammonium (1 μ M) induces the release of both TNF and PGE2 from the cell cultures of adult rat spinal astrocytes[1].
In vivo	Upon intrathecal administration, KDO2-Lipid A ammonium activates toll-like receptor 4 (TLR4) in rats[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4335 mL	2.1675 mL	4.3349 mL
5 mM	0.0867 mL	0.4335 mL	0.867 mL
10 mM	0.0433 mL	0.2167 mL	0.4335 mL
50 mM	0.0087 mL	0.0433 mL	0.0867 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.

Reference

Saito O, et al. Spinal glial TLR4-mediated nociception and production of prostaglandin E(2) and TNF. Br J Pharmacol. 2010;160(7):1754-1764.

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