

Kdo2-Lipid A ammonium Biochemical

Kdo2-Lipid A ammonium

CATALOG #
AAA227540

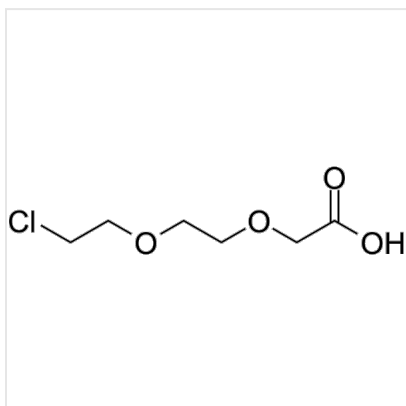
PRODUCT SYNONYMS

Kdo2-Lipid A ammonium; Kdo2-Lipid A ammonium biochemical

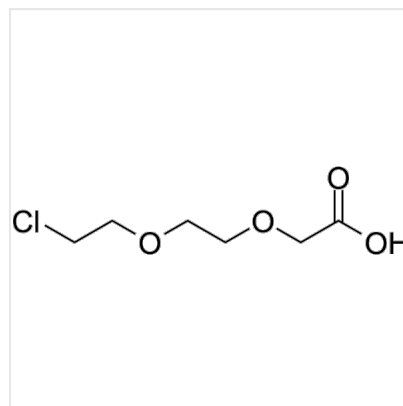
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1246298-62-3
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	KDO2-Lipid A (i.t.) activates toll-like receptor 4 (TLR4) in rats[1]. Animal Model: Rats (Male Holzman Sprague-Dawley, 300-400 g)[1]. Dosage: 0.1 to 10 ug. Administration: I.T.; 0.1-10 ug; prior and 15, 30, 60, 90 and 120 min after injection of Kdo2-Lipid A. Result: Intrathecal injection of 1 ug Kdo2-Lipid A induces allodynia, and the animals appeared to be sick after i.t. injection of Kdo2-Lipid A.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Cl-PEG2-acid, CAS 170304-76-4



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ADDITIONAL INFORMATION

Related Product Information for Kdo2-Lipid A ammonium biochemical	Kdo2-Lipid A ammonium is a chemically defined lipopolysaccharide (LPS) with endotoxin activity equal to LPS. Kdo2-Lipid A ammonium is highly selective for TLR4. Kdo2-Lipid A ammonium stimulates the release of both TNF and PGE2.
References	1. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

NCBI AND UNIPROT INFORMATION

Molecular Weight	182.6
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/kdo2-lipid-a-ammonium/227540>