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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Lipopolysaccharides, from *P. aeruginosa* 10

Cat. No.:	HY-D1056E	
Target:	Toll-like Receptor (TLR)	
Pathway:	Immunology/Inflammation	
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	Lipopolysaccharides, from <i>P. aeruginosa</i> 10

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 25 mg/mL (Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	Lipopolysaccharides from <i>P. aeruginosa</i> 10 are lipopolysaccharide endotoxins composed of an O-specific antigen chain, a core oligosaccharide, and lipid A. The lipopolysaccharides from <i>P. aeruginosa</i> 10 have a fatty acid composition that differs from that of typical Enterobacteriaceae, with unusually high levels of phosphorylation (with detected triphosphate residues) and a unique external region of the core oligosaccharide, while the O-specific side chains are often rich in novel amino sugars. The susceptibility of Lipopolysaccharides from <i>P. aeruginosa</i> 10 to viruses is related to the high molecular weight polysaccharide content in its components. The absence of high molecular weight polysaccharides increases its sensitivity to bacteriophages ^{[1][2][3][4][5][6]} .
IC ₅₀ & Target	TLR-4 ^[2]

REFERENCES

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- [2]. Cai KC, et al. Age and sex differences in immune response following LPS treatment in mice. *Brain Behav Immun*. 2016 Nov;58:327-337.
- [3]. Heinrichs DE, et al. Molecular basis for structural diversity in the core regions of the lipopolysaccharides of *Escherichia coli* and *Salmonella enterica*. *Mol Microbiol*. 1998 Oct;30(2):221-32.
- [4]. Ying Liu, et al. Podocyte-Released Migrasomes in Urine Serve as an Indicator for Early Podocyte Injury. *Kidney Dis (Basel)*. 2020 Nov;6(6):422-433.
- [5]. Wilkinson S G. Composition and structure of lipopolysaccharides from *Pseudomonas aeruginosa*[J]. *Reviews of Infectious Diseases*, 1983, 5(Supplement_5): S941-S949.
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Caution: Product has not been fully validated for medical applications. For research use only.

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