

## Product Data Sheet

Cas No.:		Cat. No:	PC63809
Product Name:	Lipopolysaccharides		
Product synonym:	-		
Chemical name:	Lipopolysaccharides		
MF:	-	FW:	-
Purity:	98%	Batch No.:	-
Storage:			
λmax:	-	Formulation:	-
Solubility :	-		
SMILES :	-		
InChI Code:	-		
InChI Key:	-		
WARNING This product is not for human or veterinary use.			

## Product Description

Lipopolysaccharides (LPS) 脂多糖是从革兰氏阴性菌外膜的外叶中提取的内毒素，由一个抗原 O- 特异性链、一个核心寡糖和脂质 A 构成。Lipopolysaccharides 是一种激活免疫系统的致病相关分子模式 (PAMP)。Lipopolysaccharides 激活免疫细胞的 TLR-4。本产品来源于大肠杆菌 O55:B5。Lipopolysaccharides 诱导细胞迁移体的分泌。

生物活性	Lipopolysaccharides (LPS) is an endotoxin derived from the outer leaflet of the outer membrane of Gram-negative bacteria. Lipopolysaccharides consists of an antigen O-specific chain, a core oligosaccharide and lipid A. Lipopolysaccharides is a pathogenic associated molecular pattern (PAMP) that activates the immune system. Lipopolysaccharides activates TLR-4 on immune cells. This product is derived from <i>Escherichia coli</i> O55:B5. Lipopolysaccharides induces secretion of cell migrasome.
IC50 & Target[1][2]	TLR4

### 体外研究(In Vitro)

Lipopolysaccharides (10–80  $\mu\text{g/mL}$ ) selectively decreases THir (tyrosine hydroxylase immunoreactive) cells and increases culture media levels of interleukin1 $\beta$  (IL-1 $\beta$ ) and tumor necrosis factor- $\alpha$  (TNF- $\alpha$ ) as well as nitrite (an index of nitric oxide (NO) production). Medlife has not independently confirmed the accuracy of these methods. They are for reference only.

### 体内研究(In Vivo)

Lipopolysaccharides (1.5 mg/kg; i.p.; once) induces sickness and hypothermia in mice, and induces a greater and more prolonged sickness response in adult male mice. Medlife has not independently confirmed the accuracy of these methods. They are for reference only.

### Animal Model:

### 包装储存

Powder; -20°C; 3 years; 4°C; 2 years;

### 溶解度数据

### 体外研究:

H<sub>2</sub>O : 5 mg/mL (Need ultrasonic)

### 体内研究:

