

Lipopolysaccharides, from E. coli O26:B6

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Keep away from moisture

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	Lipopolysaccharides from *E. coli* (Escherichia coli) O26:B6 are endotoxins derived from *E. coli* that function as TLR-4 activators. These S-type LPS molecules can trigger pathogenic-associated molecular patterns (PAMP) and encourage the release of exosomes. Structurally, they are composed of three parts: O-antigen, core oligosaccharide, and Lipid A, and can be identified by the monoclonal antibody MAb J8-4C10. This compound can increase pro-inflammatory cytokines in plasma, leading to activation of the hypothalamic-pituitary-adrenal (HPA) axis and causing oxidative damage to the adrenal glands. However, the pathogenic activity of Lipopolysaccharides from *E. coli* O26:B6 can be inhibited by PD149163 .
Targets(IC50)	TLR

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