Data Sheet (Cat.No.TSW-00816)

TargetMol

Lipopolysaccharides, from S. marcescens

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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 S. marcescens (Serratia marcescens), are endotoxins derived from the bacterium Serratia marcescens, functioning as TLR-4 activators and classified as S type LPS. These compounds activate the immune system through pathogen-associated molecular patterns (PAMPs) and stimulate the secretion of chemokines. They feature a typical tripartite structure consisting of the O-antigen, core oligosaccharide, and Lipid A. Lipopolysaccharides from S. marcescens promote NF-κB activation in mouse cells via Toll-like receptor (TLR4)/MD-2 pathways. Additionally, these lipopolysaccharides can induce apoptosis in host immune cells, thereby suppressing the host's innate immunity.
Targets(IC50)	TLR

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481