

## Lipopolysaccharides, Escherichiacoli

#Cat: NB-64-28235-1mg	Size: 1 mg
#Cat: NB-64-28235-5mg	Size: 5 mg
#Cat: NB-64-28235-10mg	Size: 10 mg
#Cat: NB-64-28235-25mg	Size: 25 mg
#Cat: NB-64-28235-50mg	Size: 50 mg

### Chemical Properties:

CAS No: 93572-42-0

Formula:

Lipopolysaccharides, Escherichiacoli (11C)

Molecular Weight:

Appearance: no data available

Storage: store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

### Biological Description:

<b>Description</b>	Lipopolysaccharides, Escherichiacoli (E. coli O111:B4) are derived from Escherichia coli O111:B4 and are a unique component of the cell wall of Gram-negative bacteria. They are composed of three regions: lipid A, oligosaccharide core, and O-specific polysaccharide (O-antigen). Lipopolysaccharides, Escherichiacoli help maintain the integrity of the cell outer membrane and protect bacteria from bile salts and lipid antibiotics.
<b>Targets (IC50)</b>	Others

### Solubility Information

<b>Solubility</b>	H2O: 5 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Reference

Amor K, et, al. Distribution of core oligosaccharide types in lipopolysaccharides from Escherichia coli. Infect Immun. 2000 Mar;68(3):1116-24.

Wang G, Wang Y, Tang X, et al. Identification and validation of Atp5f1c in CD4+ T cell as a hub protein in Parkinson's disease. International Journal of Biological Macromolecules. 2025: 139858.

MacLean LL, et, al. The structural characterization of the O-polysaccharide antigen of the lipopolysaccharide of Escherichiacoli serotype O118 and its relation to the O-antigens of Escherichiacoli O151 and Salmonella enterica O47. Carbohydr Res. 2010 Dec 10;345(18):2664-9.

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