

## Product Datasheet

### Lipopolysaccharides, Escherichiacoli (orb1741492)

<b>Catalog Number</b>	orb1741492
<b>Category</b>	Small Molecules
<b>Description</b>	This smooth-type lipopolysaccharide from E. coli O111:B4, comprising lipid A, core oligosaccharide, and O-antigen, is a potent TLR4 agonist. It is extensively used to model inflammatory conditions like sepsis, ARDS, and COPD in both in vivo and in vitro research, leveraging its high immunogenicity to study innate immune activation.
<b>Target</b>	Others
<b>Purity</b>	98.00% (May vary between batches)
<b>Target Areas</b>	Others
<b>Solubility (25°C)</b>	H2O:5 mg/mL
<b>CAS Number</b>	93572-42-0
<b>Storage</b>	keep away from moisture   Powder: -20°C for 3 years   In solvent: -80°C for 1 year   Shipping with blue ice/Shipping at ambient temperature.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)