



Lipopolysaccharide, *Pantoea agglomerans* <LPS>
Product Number : mac0001

Product Description :

Lipopolysaccharide from *Pantoea agglomerans*

Size: 1mg

Product Specification :

Source: Isolated from *Pantoea agglomerans*¹⁻³⁾ by modification of the phenol extraction method of Westphal and Jann⁴⁾.

Appearance: lyophilized powder.

Solubility: H₂O (~ 2mg/ml) or 0.5%TEA (~ 2mg/ml). To achieve solution in water, heating at 37 °C with intermittent vortexing or sonication is recommended.

Strage: +4

Hazard: Toxic

References :

1. Chie Kohchi, Hiroyuki Inagawa, Takashi Nishizawa, Takatoshi Yamaguchi, Shiro Nagai and Gen-Ichiro Soma: "Applications of Lipopolysaccharide Derived from *Pantoea agglomerans* (IP-PA1) for Health Care Based on Macrophage Network Theory". J. BIOSCI. BIOENG., Vol. **102**, 485-496 (2006) .
2. Tsukioka D, Nishizawa T, Miyase T, Achiwa K, Suda T, Soma G-I, and Mizuno D.: Structural characterization of lipid A obtained from *Pantoea agglomerans* lipopolysaccharide. FEMS Microbiology Letters **149**, 239-244 (1997).
3. Taniguchi Y, Nishizawa T, Honda T, Yoshioka N, Inagawa H, Kohchi C and Soma G, Anticancer Res. 2007 27:3701-6. Development and potential use of a monoclonal antibody to the lipopolysaccharide of *Pantoea agglomerans* (IP-PA1).
4. Westphal O, & Jann K. : Bacterial lipopolysaccharide: extraction with phenol-water and further applications of the procedure. Carbohydr. Chem. **5**, 83 (1965)

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. RESEARCH PURPOSES ONLY. NOT FOR HUMAN USE.

Avoid mouth pipetting. Avoid inhalation of the dust. Work in a well ventilated area, particularly when handling large quantities of these products. Wash thoroughly any area of the body which comes into contact with these products. Avoid contact with open wounds. These products are pyrogenic. Therefore, to avoid accidental injection, extreme care should be taken when handling in conjunction with hypodermic syringes.

Macrophi Inc. will not be liable for any damage resulting from the misuse of these chemicals.

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