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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Lipopolysaccharides, from E. coli O128:B12

Cat. No.:	HY-D1056A4	
Target:	Toll-like Receptor (TLR)	
Pathway:	Immunology/Inflammation	
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	Lipopolysaccharides, from E. coli O128:B12

BIOLOGICAL ACTIVITY

Description	Lipopolysaccharides, from E. coli O128:B12 is commonly used to stimulate the inflammatory pathway in an infection/inflammation induced preterm animal model. Specific Lipopolysaccharides from E. coli serotypes induce activation of different inflammatory pathways in the neonatal rat brain. Compared with other Escherichia coli, Lipopolysaccharides (O111:B4, O55:B5, O127:B8), Lipopolysaccharides, from E. coli O128:B12 has lower induction efficiency of inflammation. Cub survival rate was 100% after the treatment ^{[1][2][3][4]} .
IC ₅₀ & Target	TLR-4 ^[2]

REFERENCES

- [1]. Kabanov DS, et al. Structural analysis of lipopolysaccharides from Gram-negative bacteria. Biochemistry (Mosc). 2010 Apr;75(4):383-404.
- [2]. Cai KC, et al. Age and sex differences in immune response following LPS treatment in mice. Brain Behav Immun. 2016 Nov;58:327-337.
- [3]. Heinrichs DE, et al. Molecular basis for structural diversity in the core regions of the lipopolysaccharides of Escherichia coli and Salmonella enterica. Mol Microbiol. 1998 Oct;30(2):221-32.
- [4]. Ying Liu, et al. Podocyte-Released Migrasomes in Urine Serve as an Indicator for Early Podocyte Injury. Kidney Dis (Basel). 2020 Nov;6(6):422-433.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA