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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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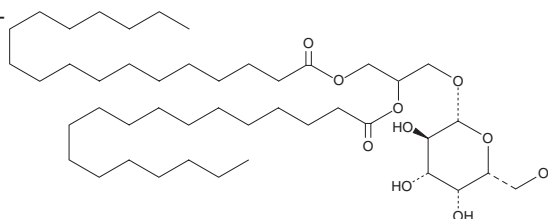
PRODUCT INFORMATION



Monogalactosyldiacylglyceride Mixture (hydrogenated)

Item No. 17886

CAS Registry No.: 41670-62-6
Formal Name: 2,3-bis[(1-oxooctadecyl)oxy]propyl-
 β -D-galactopyranoside
MF: $C_{45}H_{86}O_{10}$ (for stearoyl)
FW: 787.2
Purity: $\geq 95\%$
UV/Vis.: λ_{max} : 210 nm
Supplied as: A solid
Storage: $-20^{\circ}C$
Stability: ≥ 2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Monogalactosyldiacylglyceride mixture (hydrogenated) is supplied as a solid. A stock solution may be made by dissolving the monogalactosyldiacylglyceride mixture (hydrogenated) in the solvent of choice, which should be purged with an inert gas. The solubility of the monogalactosyldiacylglyceride mixture (hydrogenated) in chloroform:methanol (1:1) is approximately 10 mg/ml.

Description

Monogalactosyldiacylglyceride is a minor galactolipid present in oligodendrocytes and myelin, as well as comprises a major fraction of the lipids in photosynthesizing plants and green microorganisms.^{1,2} It is used as a marker for myelination and has also been shown to stimulate PKC α activity in oligodendrocytes.¹ Monogalactosyldiacylglyceride mixture (hydrogenated) contains monogalactosyl diglyceride molecular species with C18:0 and C16:0 side chains at a 3:1 ratio.

References

- Schmidt-Schultz, T. and Althaus, H.H. Monogalactosyl diglyceride, a marker for myelination, activates oligodendroglial protein kinase C. *J. Neurochem.* **62**(4), 1578-1585 (1994).
- Rosenberg, A., Gouaux, J., and Milch, P. Monogalactosyl and digalactosyl diglycerides from heterotrophic, hetero-autotrophic, and photobiotic *Euglena gracilis*. *J. Lipid Res.* **7**(6), 733-738 (1996).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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