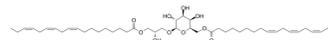


Monogalactosyldiacylglycerol

Cat. No.:	HY-N12540
CAS No.:	1932659-76-1
Molecular Formula:	C ₄₅ H ₇₄ O ₁₀
Molecular Weight:	775.06
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Monogalactosyldiacylglycerol (MGDG) is a polar lipid that does not form a bilayer and is found, for example, in the chloroplast thylakoid of aerobic photosynthetic organisms. Monogalactosyldiacylglycerol lacks charge and is highly unsaturated, which provides a fluid environment that facilitates the diffusion process of electron transfer in photosynthesis and may be used in the packaging of natural proteins. The galactolipid Monogalactosyldiacylglycerol has anti-inflammatory effects *in vivo*^{[1][2]}.

REFERENCES

- [1]. Gounaris K, et al. Monogalactosyldiacylglycerol: the most abundant polar lipid in nature[J]. Trends in Biochemical Sciences, 1983, 8(10): 378-381.
- [2]. Bruno A, et al. Selective *in vivo* anti-inflammatory action of the galactolipid monogalactosyldiacylglycerol[J]. European Journal of Pharmacology, 2005, 524(1-3): 159-168.

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

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