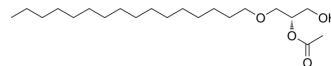


1-O-Hexadecyl-2-O-acetyl-sn-glycerol

Cat. No.:	HY-W019868
CAS No.:	77133-35-8
Molecular Formula:	C ₂₁ H ₄₂ O ₄
Molecular Weight:	358.56
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

1-O-Hexadecyl-2-O-acetyl-sn-glycerol is an alkyl acylglycerol that may activate the amino acid transport activity of the A-system and stimulate the absorption of methylaminoisobutyric acid (MeAIB). MeAIB inhibits mTOR phosphorylation, which may affect intestinal amino acid absorption and signal transduction^{[1][2]}.

REFERENCES

- [1]. Dawson WD, et al. Parallel changes in amino acid transport and protein kinase C localization in LLC-PK1 cells treated with TPA or diradylglycerols. *J Cell Physiol.* 1987 Jul;132(1):104-10.
- [2]. Tang Y, et al. The Regulatory Role of MeAIB in Protein Metabolism and the mTOR Signaling Pathway in Porcine Enterocytes. *Int J Mol Sci.* 2018 Mar 2;19(3):714.

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