

1-O-Hexadecyl-sn-glycerol Biochemical

1-O-Hexadecyl-sn-glycerol

CATALOG #
AAA227098

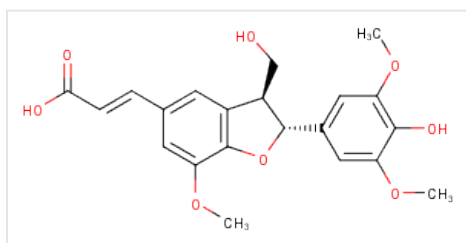
PRODUCT SYNONYMS

1-O-Hexadecyl-sn-glycerol; 1-O-Hexadecyl-sn-glycerol biochemical

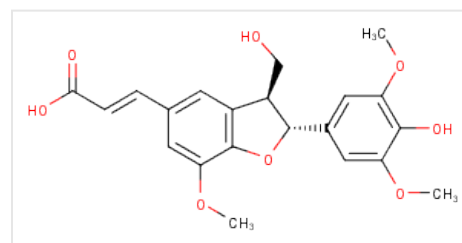
PRODUCT SPECIFICATIONS

Purity/Purification	98%
SMILES	<chem>CCCCCCCCCCCCCCCCOC[C@@H](O)CO</chem>
Formula	C19H40O3
CAS	506-03-6
Solubility	DMF: 16 mg/mL Ethanol: 5 mg/mL DMSO: 0.16 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
4,7'-Epoxy-4',9'-dihydroxy-3',5,5'-trimethoxy-3,8', CAS 1264177-64-1



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ADDITIONAL INFORMATION

Related Product Information for 1-O-Hexadecyl-sn-glycerol biochemical

1-O-Hexadecyl-sn-glycerol is a bioactive alkyl glyceryl ether. It reduces UVB-induced cell death and production of reactive oxygen species (ROS) and prostaglandin E2 in normal human epidermal keratinocytes (NHEKs). 1-O-Hexadecyl-sn-glycerol (50 uM) increases coronary flow and left ventricular developed pressure and reduces malondialdehyde (MDA) formation ex vivo in a rat heart model of ischemia/reperfusion injury.

NCBI AND UNIPROT INFORMATION

Molecular Weight	402.399
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

