CD BioGlyco
SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

MGMG(16:2(7Z,10Z)/0:0)

Cat. No.: X26-02-ZQ254

Size: 1 mg; 10 mg; 25 mg; 100 mg

Compound CID: 171120561

Synonym: 1-(7*Z*,10*Z*-hexadecadienoyl)-3-*O*-β-D-galactosyl-sn-glycerol

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	A monogalactosyl monoacylglycerol (C16:2); the polyunsaturated fatty acid at sn-1 contains two cis-double bonds, providing increased chain fluidity to the glycolipid.
Molecular Weight	488.6
Molecular Formula	$C_{25}H_{44}O_9$
IUPAC Name	[(2*S*)-2-hydroxy-3-[(2*R*,3*R*,4*S*,5*R*,6*R*)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxypropyl] (7*Z*,10*Z*)-hexadeca-7,10-dienoate
InChI	InChI=1S/C25H44O9/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-21(28)32-17-19(27)18-33-25-24(31)23(30)22(29)20(16-26)34-25/h6-7,9-10,19-20,22-27,29-31H,2-5,8,11-18H2,1H3/b7-6-,10-9-/t19-,20-,22+,23+,24-,25-/m1/s1
InChI Key	JKTGDOGAVPBQDI-NQNUALNFSA-N
Canonical SMILES	CCCCC/C=C\C/C=C\CCCCCC(=O)OC[C@H](CO[C@H]1[C@@H]([C@H]([C@H]([C@H](O1)CO)O)O)O)O
Source	Chemical synthesis
Form	Solid or liquid
Purity	≥90%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for one year when stored at the recommended temperature in lyophilized powder.
Quality Level	Research level
Applications	MGMG(16:2(7Z,10Z)/0:0) can be used to study the biophysical characteristics of polyunsaturated monogalactosylmonoacylglycerols in plant lipid research.
Storage	Store at -20ºC.