

Product Information

MGMG(16:3(7Z,10Z,13Z)/0:0)

Cat. No.: X26-02-ZQ255

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

Compound CID: 102119785

Synonym: 1-(7Z,10Z,13Z-hexadecatrienoyl)-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 tri-unsaturated sn-1 monoacyl monogalactosyl glycerol; the 16:3 chain features a methylene-interrupted double bond pattern typical of photosynthetic membranes.
Molecular Weight	486.6
Molecular Formula	C ₂₅ H ₄₂ O ₉
IUPAC Name	[(2S)-2-hydroxy-3-[(2R,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxypropyl] (7Z,10Z,13Z)-hexadeca-7,10,13-trienoate
InChI	InChI=1S/C25H42O9/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/h3-4,6-7,9-10,19-20,22-27,29-31H,2,5,8,11-18H2,1H3/b4-3-,7-6-,10-9-/t19-,20-,22+,23+,24-,25-/m1/s1
InChI Key	PSRSTOVXIJTKGG-DKFDWSOISA-N
Canonical SMILES	CC/C=C\C/C=C\C/C=C\CCCCC(=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(16:3(7Z,10Z,13Z)/0:0) can be used for the research of highly unsaturated galactolipids and their influence on membrane fluidity and phase behavior.
Storage	Store at -20°C.