

## Product Information

### MGMG(18:5(3Z,6Z,9Z,12Z,15Z)/0:0)

**Cat. No.:** X26-02-ZQ257

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

**Compound CID:** 163112571

**Synonym:** 1-(3Z,6Z,9Z,12Z,15Z-octadecapentaenoyl)-3-O-β-D-galactosyl-sn-glycerol

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

#### Product Information

<b>Description</b>	A highly unsaturated sn-1 monoacyl glycolipid containing an 18:5 fatty acid; characterized by extreme chain disorder due to five cis-double bonds along the C18 backbone.
<b>Molecular Weight</b>	510.6
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>42</sub> O <sub>9</sub>
<b>IUPAC Name</b>	[(2S)-2-hydroxy-3-[(2R,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxypropyl] (3Z,6Z,9Z,12Z,15Z)-octadeca-3,6,9,12,15-pentaenoate
<b>InChI</b>	InChI=1S/C27H42O9/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-23(30)34-19-21(29)20-35-27-26(33)25(32)24(31)22(18-28)36-27/h3-4,6-7,9-10,12-13,15-16,21-22,24-29,31-33H,2,5,8,11,14,17-20H,2,1H3/b4-3-,7-6-,10-9-,13-12-,16-15-/t21-,22-,24+,25+,26-,27-/m1/s1
<b>InChI Key</b>	QEEXYSAHKXUIFD-OCIPMTKCSA-N
<b>Canonical SMILES</b>	<chem>CC/C=C\C/C=C\C/C=C\C/C=C\C/C=C\C/C=C\CC(=O)OC[C@H](CO[C@H]1[C@@H]([C@H]([C@H]([C@H]1)(O1)CO)O)O)O</chem>
<b>Source</b>	Chemical synthesis
<b>Form</b>	Solid or liquid
<b>Purity</b>	≥90%
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for one year when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research level
<b>Applications</b>	MGMG(18:5(3Z,6Z,9Z,12Z,15Z)/0:0) can be used in marine lipidomics to study the unique structural properties of ultra-polyunsaturated monoacylgalactolipids.
<b>Storage</b>	Store at -20°C.