

Product Information

Gingerglycolipid B

Cat. No.: X26-02-ZQ268

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

Compound CID: 10009754

Synonym: 1-(9Z,12Z-octadecadienoyl)-3-O-(6'-O- α -D-galactosyl- β -D-galactosyl)-sn-glycerol

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

Product Information

Description	A structural variant of ginger-derived glycolipids; distinguished from types A and C by the chain length or degree of unsaturation of its acyl components.
Molecular Weight	678.8
Molecular Formula	C ₃₃ H ₅₈ O ₁₄
IUPAC Name	[(2S)-2-hydroxy-3-[(2R,3R,4S,5R,6R)-3,4,5-trihydroxy-6-[[[(2S,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxymethyl]oxan-2-yl]oxypropyl]-(9Z,12Z)-octadeca-9,12-dienoate
InChI	InChI=1S/C33H58O14/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-25(36)43-19-22(35)20-44-32-31(42)29(40)27(38)24(47-32)21-45-33-30(41)28(39)26(37)23(18-34)46-33/h6-7,9-10,22-24,26-35,37-42H,2-5,8,11-21H2,1H3/b7-6-,10-9-/t22-,23-,24-,26+,27+,28+,29+,30-,31-,32-,33+/m1/s1
InChI Key	UHGSDYAIIBMO-UMLSMIIMSA-N
Canonical SMILES	CCCC/C=C\C/C=C\CCCCCCCC(=O)OC[C@H](CO[C@H]1[C@@H]([C@H]([C@H]([C@H](O1)CO[C@@H]2[C@@H]([C@H]([C@H]([C@H](O2)CO)O)O)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	Gingerglycolipid B can be used for the analysis of bioactive glycolipid distribution and structural diversity in phytochemical research.
Storage	Store at -20°C.

