CD BioGlyco
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Product Information

Gingerglycolipid C

Cat. No.: X26-02-ZQ264

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

Compound CID: 10259020

Synonym: 1-(9Z-octadecenoy)l-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 specialized plant-derived glycolipid; typically characterized by a glycerol backbone esterified with specific fatty acids and linked to a mono- or disaccharide moiety.
Molecular Weight	680.8
Molecular Formula	$C_{33}H_{60}O_{14}$
IUPAC Name	[(2*S*)-2-hydroxy-3-[(2*R*,3*R*,4*S*,5*R*,6*R*)-3,4,5-trihydroxy-6-[[(2*S*,3*R*,4*S*,5*R*,6*R*)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxymethyl]oxan-2-yl]oxypropyl] (*Z*)-octadec-9-enoate
InChI	InChI=1S/C33H60O14/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/h9-10,22-24,26-35,37-42H,2-8,11-21H2,1H3/b10-9-/t22-,23-,24-,26+,27+,28+,29+,30-,31-,32-,33+/m1/s1
InChI Key	VROZOADUAPWACT-NYURTQROSA-N
Canonical SMILES	CCCCCCCC/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)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 C can be used as a natural product standard for the study of specialized glycolipid biosynthesis and metabolic pathways in ginger.
Storage	Store at -20ºC.