

Product Information

Lactosylsphingosine

Cat. No.: X23-04-YW061

Size: 1 mg; 2 mg; 5 mg; 10 mg; 25 mg

CAS Number: 109785-20-8

PubChem CID: 6439268

Synonym: Lyso-lactosylceramide; 1-β-Lactosyl-sphing-4-enine; Lyso-LC

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

Product Information

Description	Lactosylsphingosine at CD BioGlyco is a powder product with a purity of >97%, which is a bioactive sphingolipid that is similar to lactosylceramide but lacks the fatty acyl group.
Molecular Weight	623.77
Molecular Formula	C ₃₀ H ₅₇ NO ₁₂
InChI	InChI=1S/C30H57NO12/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-20(34)19(31)18-40-29-27(39)25(37)28(22(17-33)42-29)43-30-26(38)24(36)23(35)21(16-32)41-30/h14-15,19-30,32-39H,2-13,16-18,31H2,1H3/b15-14+/t19-,20+,21+,22+,23-,24-,25+,26+,27+,28+,29+,30-/m0/s1
InChI Key	MQKSCOKUMZMISB-GPWKTZPCSA-N
Canonical SMILES	CCCCCCCCCCCC=CC(C(COC1C(C(C(C(O1)CO)OC2C(C(C(C(O2)CO)O)O)O)O)N)O
Isomeric SMILES	CCCCCCCCCCCC/C=C/[C@H]([C@H](CO[C@H]1[C@@H]([C@H]([C@@H]([C@H](O1)CO)O)[C@H]2[C@@H]([C@H]([C@H]([C@H](O2)CO)O)O)O)O)N)O
Form	Powder
Purity	>97%
Applications	Lactosylsphingosine can be used as a building block in the production of lyso-ganglioside GM ₃ .
Storage	Store at -20°C.