



Product Information

Lysosulfatide

Cat. No.: X26-02-ZQ792

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

Compound CID: 6540644

Synonym: 1- β -(3'-sulfo)-glucosyl-sphing-4-enine

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

Product Information

Description	A deacylated sulfatide; featuring a sphingoid base and a 3-O-sulfogalactosyl headgroup, it is a potent bioactive lipid in the nervous system.
Molecular Weight	541.7
Molecular Formula	C ₂₄ H ₄₇ NO ₁₀ S
IUPAC Name	[(2 <i>R</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i>)-2-[(<i>E</i> ,2 <i>S</i> ,3 <i>R</i>)-2-amino-3-hydroxyoctadec-4-enoyl]-3,5-dihydroxy-6-(hydroxymethyl)oxan-4-yl] hydrogen sulfate
InChI	InChI=1S/C24H47NO10S/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-19(27)18(25)17-33-24-22(29)23(35)-36(30,31)32)21(28)20(16-26)34-24/h14-15,18-24,26-29H,2-13,16-17,25H2,1H3,(H,30,31,32)/b15-14+/t18-,19+,20+,21-,22+,23-,24+/m0/s1
InChI Key	BXSULSOCJNTUJS-YTBMLWRQSA-N
Canonical SMILES	CCCCCCCCCCCC/C=C/[C@H]([C@H](CO[C@H]1[C@@H]([C@H]([C@H]([C@H](O1)CO)O)OS(=O)(=O)O)O)N)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	Lysosulfatide can be used for the investigation of sulfated sphingolipid metabolism and its role in myelin-related neurological disorders.
Storage	Store at -20°C.