

Product Information

1,2-dioctadecanoyl-3-O-(6-deoxy-6-amino- α -D-glucosyl)-sn-glycerol

Cat. No.: X26-02-ZQ274

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

Compound CID: 42607397

Synonym: 1,2-dioctadecanoyl-3-O-(6-deoxy-6-amino- α -D-glucosyl)-sn-glycerol

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

Product Information

Description	A nitrogen-containing glycolipid featuring two C18 saturated chains and a glucose headgroup modified with an amino group at the C6 position.
Molecular Weight	786.2
Molecular Formula	C ₄₅ H ₈₇ NO ₉
IUPAC Name	[(2S)-3-[(2S,5S,6R)-6-(aminomethyl)-3,4,5-trihydroxyoxan-2-yl]oxy-2-octadecanoyloxypropyl] octadecanoate
InChI	InChI=1S/C45H87NO9/c1-3-5-7-9-11-13-15-17-19-21-23-25-27-29-31-33-40(47)52-36-38(37-53-45-44(51)43(50)42(49)39(35-46)55-45)54-41(48)34-32-30-28-26-24-22-20-18-16-14-12-10-8-6-4-2/h38-39,42-45,49-51H,3-37,46H2,1-2H3/t38-,39-,42-,43?,44?,45+/m1/s1
InChI Key	KJILUUMZVFMFK-OHZDWBSSSA-N
Canonical SMILES	CCCCCCCCCCCCCCCC(=O)OC[C@H](CO[C@@H]1C(C([C@@H]([C@H](O1)CN)O)O)OC(=O)CCCCCCCCCCCCCCCC
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	1,2-dioctadecanoyl-3-O-(6-deoxy-6-amino- α -D-glucosyl)-sn-glycerol can be used to explore the biophysical properties and potential receptor binding of amino-sugar functionalized lipids.
Storage	Store at -20°C.