CD BioGlyco

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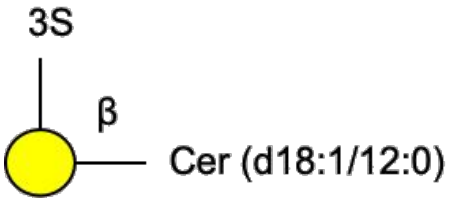
# Product Information

## Mono-sulfo-galactosylβCer (d18:1/12:0)




**Cat. No.:** X23-11-ZQ604

**Size:** 10 mg; 100 mg; 500 mg; 1 g; 10 g

**CAS Number:** 852043-39-1

**PubChem CID:** 145710284

**Synonym:** 852043-39-1;

Dodecanamide-*N*-[(1*S*,2*R*,3E)-2-hydroxy-1-[[(3-*O*-sulfo-beta-D-galactopyranosyl)oxy]methyl]-3-heptadecen-1-yl]-ammonium salt

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

### Product Information

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|---|---|
| **Molecular Weight** | 727.01 |
| **Molecular Formula** | $C_{35}H_{70}N_2O_{11}S$ |
| **IUPAC Name** | Azanium;[(2*R*,3*R*,4*S*,5*S*,6*R*)-2-[(*E*,2*S*,3*R*)-2-(dodecanoylamino)-3-hydroxyoctadec-4-enoxy]-3,5-dihydroxy-6-(hydroxymethyl)oxan-4-yl] sulfate |
| **InChI** | InChI=1S/C36H69NO11S.H3N/c1-3-5-7-9-11-13-14-15-16-18-19-21-23-25-30(39)29(37-32(40)26-24-22-20-17-12-10-8-6-4-2)28-46-36-34(42)35(48-49(43,44)45)33(41)31(27-38)47-36;/h23,25,29-31,33-36,38-39,41-42H,3-22,24,26-28H2,1-2H3,(H,37,40)(H,43,44,45);1H3/b25-23+;/t29-,30+,31+,33-,34+,35-,36+;/m0./s1 |
| **InChI Key** | ZRHCDEVQWSMWDC-CIEWKKQXSA-N |
| **Canonical SMILES** | CCCCCCCCCCCCCC=CC(C(COC1C(C(C(C(O1)CO)O)OS(=O)(=O)[O-])O)NC(=O)CCCCCCCCCCC)O.[NH4+] |
| **Isomeric SMILES** | CCCCCCCCCCCCC/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)NC(=O)CCCCCCCCCCC)O.[NH4+] |
| **Form** | Powder |
| **Applications** | Mono-sulfo-galactosylβCer (d18:1/12:0) is a non-physical sulfatidein, which can be used as a valid standard in the mass spectrometric analysis of sulfatides. |
| **Storage** | Store at -20°C. |