CD BioGlyco

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Product Information

Mono-sulfo-galactosylβCer (d18:1/24:0)

Cat. No.: X23-11-ZQ607

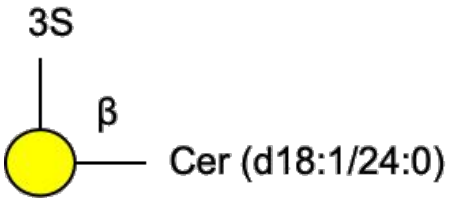
Size: 10 mg; 100 mg; 500 mg; 1 g; 10 g

CAS Number: 1246304-32-4

PubChem CID: 145710102

Synonym: 1246304-32-4;

Tetracosanamide-*N*-[(1S,2*R*,3*E*)-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

Molecular Weight	895.33
Molecular Formula	$C_{47}H_{94}N_2O_{11}S$
IUPAC Name	Azanium;[(2*R*,3*S*,4*S*,5*R*,6*R*)-3,5-dihydroxy-2-(hydroxymethyl)-6-[(*E*,2*S*,3*R*)-3-hydroxy-2-(tetracosanoylamino)octadec-4-enoxy]oxan-4-yl] sulfate
InChI	InChI=1S/C48H93NO11S.H3N/c1-3-5-7-9-11-13-15-17-18-19-20-21-22-23-24-26-28-30-32-34-36-38-44(52)49-41(42(51)37-35-33-31-29-27-25-16-14-12-10-8-6-4-2)40-58-48-46(54)47(60-61(55,56)57)45(53)43(39-50)59-48;/h35,37,41-43,45-48,50-51,53-54H,3-34,36,38-40H2,1-2H3,(H,49,52)(H,55,56,57);1H3/b37-35+;/t41-,42+,43+,45-,46+,47-,48+;/m0./s1
InChI Key	DVNDZUUWWJPMSI-RYBIKTNWSA-N
Canonical SMILES	CCCCCCCCCCCCCCCCCCCCCCCC(=O)NC(COC1C(C(C(C(O1)CO)O)OS(=O)(=O)[O-])O)C(C=CCCCCCCCCCCCCC)O.[NH4+]
Isomeric SMILES	CCCCCCCCCCCCCCCCCCCCCCCC(=O)N[C@@H](CO[C@H]1[C@@H]([C@H]([C@H]([C@H](O1)CO)O)OS(=O)(=O)[O-])O)[C@@H](/C=C/CCCCCCCCCCCCC)O.[NH4+]
Form	Powder
Applications	Mono-sulfo-galactosylβCer (d18:1/24:0) is a sulfatide, that can be used to study cellular signal transduction.
Storage	Store at -20°C.