

Product Information

SQMG(18:0/0:0)

Cat. No.: X26-02-ZQ261

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

Compound CID: 171121145

Synonym: 1-octadecanoyl-3-(6'-sulfo- α -D-quinovosyl)-sn-glycerol

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

Product Information

Description	A saturated sn-1 monoacyl sulfoquinovosyl glycerol featuring a C18 (stearoyl) chain; exhibits a rigid hydrophobic tail and a strongly anionic headgroup.
Molecular Weight	584.8
Molecular Formula	C ₂₇ H ₅₂ O ₁₁ S
IUPAC Name	[(2S,3S,4S,5R,6S)-3,4,5-trihydroxy-6-[(2S)-2-hydroxy-3-octadecanoyloxypropoxy]oxan-2-yl]methanesulfonic acid
InChI	InChI=1S/C27H52O11S/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-23(29)36-18-21(28)19-37-27-26(32)25(31)24(30)22(38-27)20-39(33,34)35/h21-22,24-28,30-32H,2-20H2,1H3,(H,33,34,35)/t21-,22-,24-,25+,26-,27+/m1/s1
InChI Key	NVKWDWTYDRPVNY-VZJUQIMDSA-N
Canonical SMILES	CCCCCCCCCCCCCCCC(=O)OC[C@H](CO[C@@H]1[C@@H]([C@H]([C@@H]([C@H](O1)CS(=O)(=O)O)O)O)O)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	SQMG(18:0/0:0) can be used as a saturated reference standard for evaluating the phase transition temperatures of sulfoquinovosyl lipids.
Storage	Store at -20°C.