

## Product Information

### SQMG(16:1(11Z)/0:0)

**Cat. No.:** X26-02-ZQ249

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

**Compound CID:** 42607387

**Synonym:** 1-(11Z-hexadecenoyl)-3-(6'-sulfo- $\alpha$ -D-quinovosyl)-sn-glycerol

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

#### Product Information

<b>Description</b>	A C16:1 (11Z) isomer of sulfoquinovosyl monoacylglycerol used to study the structural influence of double bond position on sulfur-lipid bio-functionality.
<b>Molecular Weight</b>	554.7
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>46</sub> O <sub>11</sub> S
<b>IUPAC Name</b>	[(2S,3S,6S)-6-[(2S)-3-[(Z)-hexadec-11-enoyl]oxy-2-hydroxypropoxy]-3,4,5-trihydroxyoxan-2-yl]methanesulfonic acid
<b>InChI</b>	InChI=1S/C25H46O11S/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-21(27)34-16-19(26)17-35-25-24(30)23(29)22(28)20(36-25)18-37(31,32)33/h5-6,19-20,22-26,28-30H,2-4,7-18H2,1H3,(H,31,32,33)/b6-5-/t19-,20-,22-,23?,24?,25+/m1/s1
<b>InChI Key</b>	GCRTWROLZSXGOJ-PCOROQBPSA-N
<b>Canonical SMILES</b>	CCCC/C=C\CCCCCCCCC(=O)OC[C@H](CO[C@@H]1C(C([C@@H]([C@H](O1)CS(=O)(=O)O)O)O)O
<b>Source</b>	Chemical synthesis
<b>Form</b>	Solid or liquid
<b>Purity</b>	≥90%
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	The product is stable for one year when stored at the recommended temperature in lyophilized powder.
<b>Quality Level</b>	Research level
<b>Applications</b>	SQMG(16:1(11Z)/0:0) can be used for the study of monoacyl-sulfoquinovosylglycerol self-assembly and its role in membrane stability research.
<b>Storage</b>	Store at -20°C.