

## Product Information

### SQGE(16:0/0:0)

**Cat. No.:** X26-02-ZQ270

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

**Compound CID:** 171121144

**Synonym:** 1-hexadecyl-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 sulfoquinovosyl glycerol ether; the C16 chain is attached via a chemically stable ether bond rather than an ester, significantly altering its metabolic stability.
<b>Molecular Weight</b>	542.7
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>50</sub> O <sub>10</sub> S
<b>IUPAC Name</b>	[(2S,3S,4S,5R,6S)-6-[(2R)-3-hexadecoxy-2-hydroxypropoxy]-3,4,5-trihydroxyoxan-2-yl]methanesulfonic acid
<b>InChI</b>	InChI=1S/C25H50O10S/c1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-33-17-20(26)18-34-25-24(29)23(28)22(27)21(35-25)19-36(30,31)32/h20-29H,2-19H2,1H3,(H,30,31,32)/t20-,21-,22-,23+,24-,25+/m1/s1
<b>InChI Key</b>	LZOLYUOJBKIVHC-QRCODTGVSA-N
<b>Canonical SMILES</b>	CCCCCCCCCCCCCCCCOC[C@H](CO[C@@H]1[C@@H]([C@H]([C@@H]([C@H](O1)CS(=O)(=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>	SQGE(16:0/0:0) can be used to investigate the chemical stability and self-assembly of ether-linked sulfoquinovosylglycerols in extremophile lipid models.
<b>Storage</b>	Store at -20°C.