

## Product Datasheet

### IC-8 (orb1785882)

<b>Catalog Number</b>	orb1785882
<b>Category</b>	Small Molecules
<b>Description</b>	IC8 is an ionizable cationic lipid. It has been used in combination with other lipids for the formation of lipid nanoparticles (LNPs). Immunization with severe acute respiratory coronavirus 2 (SARS-CoV-2) spike glycoprotein mRNA in IC8- and manganese-containing LNPs induces IgG responses to SARS-CoV-2 Delta and Omicron variants in mice. <sup>1</sup> Administration of mRNA encoding B7-H3 X CD3 bispecific T cell engaging (BiTE) antibodies in IC8-containing LNPs reduces tumor growth in MV4-11 and A375 mouse xenograft models.
<b>Purity</b>	>95%
<b>MW</b>	1049.8
<b>CAS Number</b>	2349307-32-8
<b>Formula</b>	C <sub>66</sub> H <sub>136</sub> N <sub>4</sub> O <sub>4</sub>
<b>SMILES</b>	<chem>OC(CCCCCCCCCCCC)CN(CC(CCCCCCCCCCCC)O)CCCN1CCN(CCCN(CC(CCCCCCCC CCCC)O)CC(CCCCCCCCCCCC)O)CC1</chem>
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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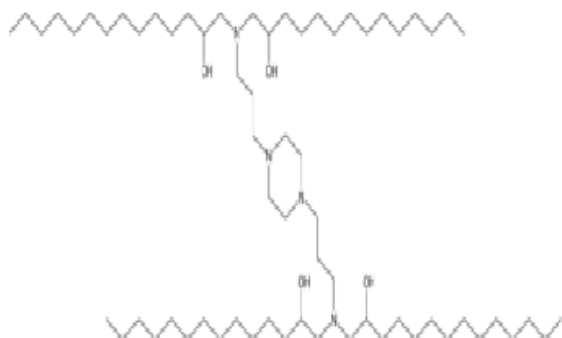
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Chemical structure of orb1785882

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