

Product Datasheet

IC-8 (orb1785882)

Catalog Number	orb1785882
Category	Small Molecules
Description	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. ¹ 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.
Purity	>95%
MW	1049.8
CAS Number	2349307-32-8
Formula	C ₆₆ H ₁₃₆ N ₄ O ₄
SMILES	OC(CCCCCCCCCCCC)CN(CC(CCCCCCCCCCCC)O)CCCN1CCN(CCCN(CC(CCCCCCCC)O)CC(CCCCCCCCCCCC)O)CC1
Note	For research use only

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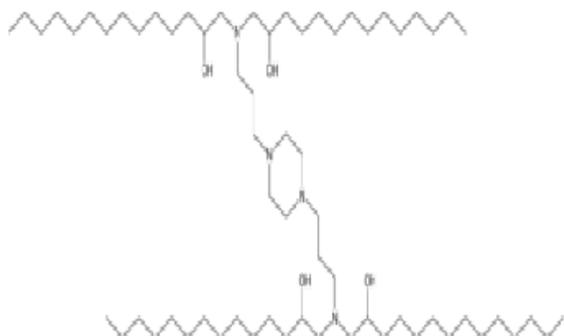
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Chemical structure of orb1785882

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