

Product Datasheet

1-Palmitoyl Lysophosphatidic Acid (orb1693018)

Catalog Number	orb1693018
Category	Small Molecules
Description	1-Palmitoyl Lysophosphatidic Acid (LPA) is an LPA analog that enhances the efficacy of antibiotics like ampicillin against <i>Pseudomonas aeruginosa</i> by chelating calcium and magnesium ions. This compound is utilized in research exploring bacterial resistance mechanisms and adjuvant therapy, with applications in both in vitro antimicrobial studies.
Target	Endogenous Metabolite,Antibacterial
MW	410.48
CAS Number	22002-85-3
Formula	C ₁₉ H ₃₉ O ₇ P
SMILES	O=C(OCC(O)COP(=O)(O)O)CCCCCCCCCCCCC
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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