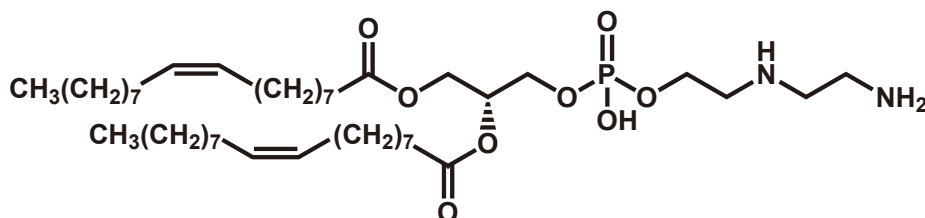


New

LIFE SCIENCE



Phospholipid for siRNA-Delivering Charge-reversible Lipid Nanoparticles



DOP-DEDA
50mg [D5882]

Advantages

- Lipid nanoparticles composed of the charge-reversible phospholipid DOP-DEDA are always ionized in physiological environments.
- It has been reported that siRNA-containing lipid nanoparticles can be taken up by cancer cells.

References

- 1) Charge-reversible lipid derivative: A novel type of pH-responsive lipid for nanoparticle-mediated siRNA delivery
Y. Hirai, R. Saeki, F. Song, H. Koide, N. Fukata, K. Tomita, N. Maeda, N. Oku, T. Asai, *Int. J. Pharm.* **2020**, 585, 119479.
- 2) LIPID DERIVATIVE FOR NUCLEIC ACID INTRODUCTION
T. Asai, N. Oku, N. Maeda, N. Fukata, K. Tomita, *PCT Int. Appl. WO 2018190017*, **2018**.

This product was commercialized with the cooperation and help from NIPPON FINE CHEMICAL CO., LTD.

Related Products

DMPC (=1,2-Dimyristoyl-<i>sn</i>-glycero-3-phosphocholine)	200mg / 1g [D3924]
L-DPPC (=1,2-Dipalmitoyl-<i>sn</i>-glycero-3-phosphocholine)	200mg / 1g [D3925]
DSPC (= 1,2-Distearoyl-<i>sn</i>-glycero-3-phosphocholine)	200mg / 1g [D3926]
DOPC (= 1,2-Dioleoyl-<i>sn</i>-glycero-3-phosphocholine)	250mg [D4250]
DEPC (= 1,2-Dierucoyl-<i>sn</i>-glycero-3-phosphocholine)	250mg [D5319]
L-DMPE (= 1,2-Dimyristoyl-<i>sn</i>-glycero-3-phosphoethanolamine)	250mg [D4249]
L-DPPE (= 1,2-Dipalmitoyl-<i>sn</i>-glycero-3-phosphoethanolamine)	250mg [D4213]
DSPE (= 1,2-Distearoyl-<i>sn</i>-glycero-3-phosphoethanolamine)	250mg [D4214]
DMPG Sodium Salt (= Dimyristoylphosphatidylglycerol Sodium Salt)	1g [D3946]
DSPG Sodium Salt (= Dioctadecanoylphosphatidylglycerol Sodium Salt)	250mg [D5648]
DOPG Sodium Salt (= Dioleoylphosphatidylglycerol Sodium Salt)	250mg [D5318]
POPG Sodium Salt (= 1-Palmitoyl-2-oleoylphosphatidylglycerol Sodium Salt)	250mg [P2522]
1-Palmitoyl-<i>sn</i>-glycero-3-phosphocholine	250mg [P2694]
1-Stearoyl-<i>sn</i>-glycero-3-phosphocholine	250mg [T3808]
Cholesterol (>99%)	1g / 5g [C3624]

For further information please refer to our website at www.TCIchemicals.com.



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