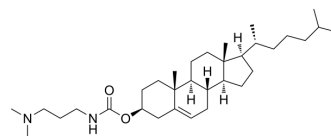


DMPAC-Chol

Cat. No.:	HY-125529
CAS No.:	184582-91-0
Molecular Formula:	C ₃₃ H ₅₈ N ₂ O ₂
Molecular Weight:	514.83
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	DMPAC-Chol (Chol-T) is used for liposome formation. DMPAC-Chol (Chol-T) liposomes exhibits great transfection efficiencies [1].
In Vitro	Gene transfer experiments with pSV2CAT and pRSVCAT plasmids in HepG2 cells shows maximum efficiency at a Chol-Q liposome:DNA ratio of 5:1 (w/w) and at a Chol-T liposome:DNA ratio of 10:1. In HeLa cells, both liposome preparations performed best at a ratio of 2.5:1 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Neermala Kisoorn, et al. A novel cationic cholesterol derivative, its formulation into liposomes, and the efficient transfection of the transformed human cell lines HepG2 and HeLa. Drug Deliv. 2002 Jul-Sep;9(3):161-7.

Caution: Product has not been fully validated for medical applications. For research use only.

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