

Product Data Sheet

Product Name: MHAPC-Chol

Cat. No.: GC40036

Chemical Properties

Cas. No. 1027801-74-6

SMILES C[C@H](CCCC(C)C)[C@@]1([H])CC[C@@]2([H])[C@]3([H])CC=C4C[C@@H](OC(NC(CCN(C)CCO)=O)CC[C@]4(C)[C@@]3([H])CC[C@@]21C

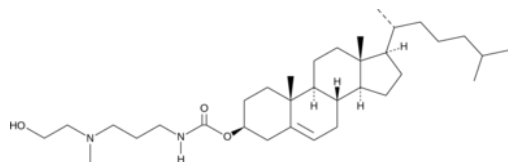
Formula C₃₄H₆₀N₂O₃ M.Wt 544.9

Solubility DMF: 10 mg/ml, Ethanol: 10 mg/ml, Ethanol: PBS (pH 7.2) (1:6): 0.14 mg/ml
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

MHAPC-Chol is a cationic cholesterol. MHAPC-Chol, as part of a lipoplex with DOPE, has been used for siRNA delivery and gene silencing in MCF-7 cells in a luciferase assay without affecting cell viability. It has also been used to deliver siRNA into mice via intravenous injection, resulting in MHAPC-chol accumulation in the liver.

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

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