OH-Chol

PRODUCT OVERVIEW

Product Name	OH-Chol, Biochemical
Full Product Name	OH-Chol
Product Gene Name	OH-Chol biochemical
Purity/Purification	98%
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years
Molecular Weight	796.599
SMILES	C[C@H](CCCC(C)C)[C@@]1([H])CC[C@@]2([H])[C@]3([H])CC=C4C[C@@H](C(NCCNCCO)=O)CC[C@]4(C)[C@@]3([H])CC[C@@]21C
Formula	C32H56N2O2
CAS	191173-82-7
Solubility	DMF: 10 mg/mL Ethanol: 10 mg/mL Ethanol:PBS (pH 7.2)(1:6): 0.14 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Related Product Information for OH-Chol biochemical	OH-Chol is a cationic cholesterol derivative.1 OH-Chol, as a component of lipoplexes with DOPE, has been used for siRNA delivery and gene silencing in MCF-7 cells, as well as in mice via intravenous injection, resulting in lipoplex accumulation in the liver. It has also been used in cationic nanoparticles in combination with Tween 80 to transfect pDNA and siRNA into PC3 mouse xenografts via intratumoral injection and with Tween 80 and folate-PEG2000-DSPE in a KB mouse xenograft model for intratumoral gene delivery.2
Other Notes	Small volumes of OH-Chol biochemical vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for OH-Chol purchase	MBS5798015 is a biochemical targeting OH-Chol.

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Online datasheet: https://www.mybiosource.com/biochemical/oh-chol/5798015