

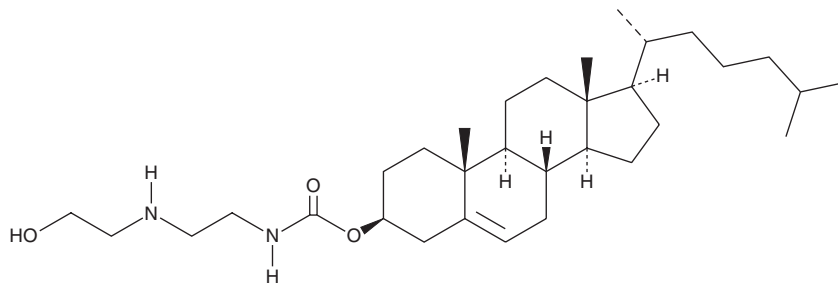
PRODUCT INFORMATION



OH-C-Chol

Item No. 26587

CAS Registry No.: 496801-51-5
Formal Name: (3β)-cholest-5-en-3-ol 3-[N-[2-[(2-hydroxyethyl)amino]ethyl]carbamate]
MF: C₃₂H₅₆N₂O₃
FW: 516.8
Purity: ≥95%
Supplied as: A crystalline solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

OH-C-Chol is supplied as a crystalline solid. A stock solution may be made by dissolving the OH-C-chol in the solvent of choice. OH-C-Chol is soluble in organic solvents such as ethanol and dimethyl formamide, which should be purged with an inert gas. The solubility of OH-C-chol in these solvents is approximately 10 mg/ml.

OH-C-Chol is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, OH-C-chol should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. OH-C-Chol has a solubility of approximately 0.14 mg/ml in a 1:6 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

OH-C-Chol is a cationic cholesterol derivative.¹ OH-C-Chol, as a component of lipoplexes with DOPE (Item No. 15091), 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.

Reference

- Hattori, Y., Nakamura, M., Takeuchi, N., *et al.* Effect of cationic lipid in cationic liposomes on siRNA delivery into the lung by intravenous injection of cationic lipoplex. *J. Drug. Target* **27(2)**, 217-227 (2019).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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