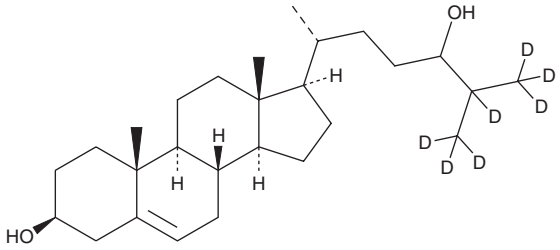
PRODUCT INFORMATION

24(R,S)-hydroxy Cholesterol-d_7

Item No. 45733

CAS Registry No.: 144154-78-9
Formal Name: (3β)-cholest-5-ene-25,26,26,26,27,27,27-d_7-3,24-diol
MF: $C_{27}H_{39}D_7O_2$
FW: 409.7
Chemical Purity: ≥95% (24(R,S)-hydroxy cholesterol)
Deuterium Incorporation: ≥99% deuterated forms (d_1-d_7); ≤1% d_0
Supplied as: A 1 mg/ml solution in ethanol
Storage: -20°C
Stability: ≥4 years



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

Laboratory Procedures

24(R,S)-hydroxy Cholesterol-d_7 is intended for use as an internal standard for the quantification of 24(R,S)-hydroxy cholesterol by GC- or LC-MS. The accuracy of the sample weight in this vial is between 5% over and 2% under the amount shown on the vial. If better precision is required, the deuterated standard should be quantitated against a more precisely weighed unlabeled standard by constructing a standard curve of peak intensity ratios (deuterated *versus* unlabeled).

24(R,S)-hydroxy Cholesterol-d_7 is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as chloroform and methanol purged with an inert gas can be used. 24(R,S)-hydroxy Cholesterol-d_7 is slightly soluble in chloroform and methanol.

Description

24(R,S)-hydroxy Cholesterol is a mixture of the endogenous brain-derived oxysterol and liver X receptor (LXR) agonist 24(S)-hydroxy cholesterol (Item No. 10009931) and its synthetic epimer 24(R)-hydroxy cholesterol (Item No. 10217).

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.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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