
Product Data Sheet

Product Name: 3 β -hydroxy-5-Cholestenoic Acid

Cat. No.: GC18817

Chemical Properties

Cas. No. 6561-58-6

Chemical Name (3 β)-3-hydroxy-cholest-5-en-26-oic acidSMILES [H][C@]12[C@@]([C@@](CC[C@]3([H])[C@H](C)CCCC(C)C(O)=O)([H])[C@]3(C)CC2)([H])CC=C4C[C@@H](O)CC[C@@]41CFormula C₂₇H₄₄O₃

M.Wt

416.6

Solubility Soluble in DMSO

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**

3 β -hydroxy-5-Cholestenoic acid is an active metabolite of cholesterol formed when cholesterol is metabolized by the cytochrome P450 (CYP) isomer CYP27A1. 3 β -hydroxy-5-Cholestenoic acid is a modulator of γ -secretase that decreases amyloid β (1-42) peptide (A β 42; EC50 = 250 nM) and increases A β 38 levels with no effect on total A β in CHO2B7 cells. It decreases endogenous murine A β 42 production by 60 and 75% in mouse postnatal neuron-glia cultures at concentrations of 3 and 10 μ M, respectively.

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

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