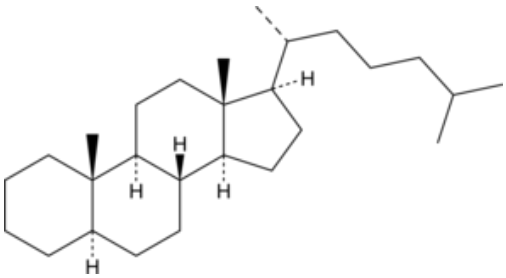
Product Data Sheet

Product Name: 5α-Cholestane
Cat. No.: GC42570

Chemical Properties

Cas. No.	481-21-0		
SMILES	C[C@H](CCCC(C)C)[C@@]1([H])CC[C@@]2([H])[C@]3([H])CC[C@@]4([H])CCCC[C@]4(C)[C@@]3([H])CC[C@@]21C		
Formula	C27H48	M.Wt	372.7
Solubility	DMF: 2 mg/ml,DMSO: 0.1 mg/ml,Ethanol: 20 mg/ml,Ethanol:PBS (pH 7.2)(1:2): 0.3 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

5α-Cholestane is a sterol that has been found in dust samples from urban and rural paved and agricultural and public unpaved roads. It has been used as an internal standard for the quantification of phytosterols by HPLC-MS/MS and fecal sterols by GC-FID and GC-MS.

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