

Certificate of Analysis

SIGMA-ALDRICH®

Product Name	5 β -Cholestan-3 α -ol, ≥95%
Product Number	C2882
Product Brand	SIGMA
CAS Number	516-92-7
Molecular Formula	C ₂₇ H ₄₈ O
Molecular Weight	388.67
Storage Temp	room temp

TEST

SPECIFICATION

LOT 077K4140 RESULTS

APPEARANCE

WHITE POWDER

SOLUBILITY

CLEAR COLORLESS
SOLUTION AT 50 MG/ML
OF CHLOROFORM

PROTON NMR SPECTRUM

CONSISTENT WITH
STRUCTURE

SPECIFIC ROTATION

+30.89 DEG (C = 1 IN
CHLOROFORM)

ELEMENTAL ANALYSIS

83.3% CARBON

PURITY BY THIN LAYER
CHROMATOGRAPHY

99.5%

PURITY BY GAS
CHROMATOGRAPHY

99.6%

QC RELEASE DATE

JUNE 2007

RECOMMENDED RETEST

JUNE 2010



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Quality Control
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