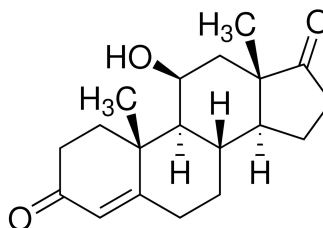


Certificate of Analysis

Product Name : 4-Androsten-11 β -ol-3,17-dione
Product Number : A3009-BULK
Batch Number : 0000082752
CAS Number : 382-44-5
Molecular Formula : C₁₉H₂₆O₃
Formula Weight : 302.41
Recommended Retest Date : Oct 2022
Quality Release Date : 16 Jan 2020



Test	Specification	Result
Appearance (Form)	Powder	Powder
Appearance (Color)	White to White w/ Yellow Cast	White
Solubility (Solvent)	Chloroform	Chloroform
Solubility (Conc)	49.00 - 51.00 mg/ml	50.00 mg/ml
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Colorless to Faint Yellow	Colorless
Water (by Karl Fischer)	≥ 0.00 %	0.35 %
Elemental Anal. (%C Anhydrous)	74.97 - 75.97 %	75.86 %
Purity (TLC)	≥ 98.00 %	100.00 %
NMR (Solvent)	CDCl ₃	CDCl ₃
Identity by NMR	Consistent	Consistent with Control
UV (Solvent)	Methanol	Methanol
UV (Lambda max 1)	240 - 242 nm	242 nm
UV (EmM at Lambda max 1)	13.60 - 17.60	14.45
Specific Rotation (Solvent)	Methanol	Methanol
Specific Rotation (Conc)	9.00 - 11.00 mg/ml	10.00 mg/ml
Specific Rotation (Alpha D)	195.00 - 205.00 deg	197.00 deg

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale





Anna Bendersky, Quality Control Manager

Quality Control

Israel

IL

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