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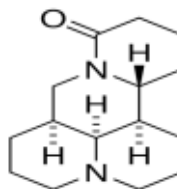
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Matrine

Product Number: M5319
Batch Number: MKBX7727V
Brand: SIGMA
CAS Number: 519-02-8
MDL Number: MFCD00210527
Formula: C₁₅H₂₄N₂O
Formula Weight: 248.36 g/mol
Storage Temperature: Store at 2 - 8 °C
Quality Release Date: 08 MAR 2016



Test	Specification	Result
Appearance (Color)	White to Light Yellow	White
Appearance (Form)	Powder	Powder
Solubility (Color)	Colorless to Light Yellow	Colorless
Solubility (Turbidity)	Clear	Clear
50 mg/mL, H ₂ O		
Proton NMR Spectrum	Conforms to Structure	Conforms
Titration by H ₂ SO ₄	≥ 97 %	99 %
Specific Rotation	31 - 36 °	34 °
C= 1 in EtOH at 20 deg C		

Michael Grady, Manager
Quality Control
Milwaukee, WI US

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. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.