

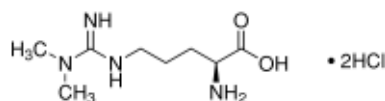
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Product Specification

Product Name:
N^G,N^G-Dimethylarginine dihydrochloride

Product Number: **D4268**
CAS Number: 220805-22-1
MDL: MFCD00270857
Formula: C₈H₁₈N₄O₂ · 2HCl
Formula Weight: 275.18 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
50 mg/mL, H ₂ O	
Infrared spectrum	Conforms to Structure
Water (by Karl Fischer)	≤ 11 %
Carbon (anhydrous)	34.0 - 35.8 %
Nitrogen (anhydrous)	19.7 - 20.9 %
Chloride Content	24.8 - 26.0 %
Anhydrous	
Specific Rotation	15.0 - 16.4 °
(C = 2.1 to 2.5 in H ₂ O, 10 to 28 deg C)	
Purity (TLC)	≥ 98 %

Specification Date : 04/22/2011

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.