

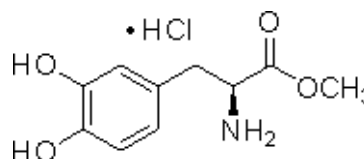
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Product Specification

Product Name:
L-3,4-Dihydroxyphenylalanine methyl ester hydrochloride – solid

Product Number: D1507
CAS Number: 1421-65-4
MDL: MFCD00038958
Formula: C₁₀H₁₃NO₄ · HCl
Formula Weight: 247.68 g/mol
Storage Temperature: -20 °C



| TEST | Specification |
|-------------------------------------|---------------------------|
| Appearance (Color) | White to Off-White |
| Appearance (Form) | Powder |
| Solubility (Color) | Colorless to Faint Yellow |
| Solubility (Turbidity) | Clear to Slightly Hazy |
| 100 mg/ml, H ₂ O | |
| Proton NMR Spectrum | Conforms to Structure |
| Solvent Content | ≤ 4 % |
| By NMR | |
| Specific Rotation | 9.0 - 11.0 ° |
| c = 2 in MeOH at 25 deg C | |
| Nitrogen (dry basis) | 5.2 - 5.9 % |
| Purity (HPLC) | ≥ 98 % |
| Impurity | ≤ 1.0 % |
| 3,4-Dihydroxy Phenylalanine by HPLC | |

Specification: PRD.1.ZQ5.10000026616

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.