

# *Chem-Impex International, Inc.*

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## *Product Specifications*

**Catalogue Number** 05778

**Product** **DL- $\alpha$ -Methyltryptophan methyl ester hydrochloride**

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**CAS Number** 114524-80-0 (net)

**Molecular Formula** C<sub>13</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub>•HCl

**Molecular Weight** 268.7

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**Appearance** Off-white powder

**Solubility** Clear, slightly yellowish solution (50mg/mL in Methanol)

**Melting Point** 140-144 °C

**Elemental Analysis (Theory)** C = 67.22%; H = 6.94%; N = 12.06%

**Elemental Analysis (Found)** C = 67.22  $\pm$  0.5%; H = 6.94  $\pm$  0.5%; N = 12.06  $\pm$  0.5%

**Water Content (Karl Fisher)**  $\leq$  0.5%

**TLC System** Ethylacetate/Pyridine/Acetic acid/H<sub>2</sub>O (60:20:6:11)  
Chloroform/Methanol/Acetic acid/H<sub>2</sub>O (85:13:0.5:1.5)  
Plate: silicagel 60 F<sub>254</sub>  
Detected by: UV, ninhydrin

**Residual Solvents** None detected (GC)

**Purity by HPLC**  $\geq$  98% (TEAP)

**Purity by TLC**  $\geq$  99% (Complies with authentic material)

**ESI-MS** M = 232  $\pm$  1

**Storage** Store at 0-8°C

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**For Laboratory Use Only**