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Product Specifications

Catalogue Number	09042
Product	H-D-His(3-Me)-OH D-His(π -Me)-OH H-N- π -methyl-D-histidine
CAS Number	163750-76-3
Molecular Formula	C ₇ H ₁₁ N ₃ O ₂
Molecular Weight	169.18

Appearance	Slightly yellowish powder
Solubility	Clear, yellowish solution (50mg/mL in Water)
Elemental Analysis (Theory)	C = 44.9%; H = 7.0%; N = 22.5%; Calculated x 1 Water (9.6%)
Elemental Analysis (Found)	C = 44.9 \pm 0.5%; H = 7.0 \pm 0.5%; N = 22.5 \pm 0.5%; Calculated x 1 Water (9.6%)
Water Content (Karl Fisher)	\leq 10%
TLC System	Isopropanol/Ammonia conc. (1:1) Methanol/Chloroform/Ammonia 17% (2:2:1) n-Butanol/Acetic acid/H ₂ O (4:2:2) Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	$[\alpha]_{D^{24}} = +23 \pm 2^{\circ}$ (C=1% in Water)
Assay by titration	\geq 89%
Purity by TLC	\geq 99%
Storage	Store at 0-8°C

For Laboratory Use Only