

Analytical Data Sheet

Lot number **1056326**
not for drug use

Catalog number **H-1075.0025**
Product number **4008476.0025**
Product **α - MSH trifluoroacetate salt**
Ac- Ser- Tyr- Ser- Met- Glu- His- Phe- Arg- Trp- Gly-
Lys- Pro- Val- NH₂ trifluoroacetate salt
Molecular formula **C₇₇H₁₀₉N₂₁O₁₉S**
Relative molecular mass **1664.91**

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (10 mg/mL in 50 % acetic acid)
Identification (ESI-MS)	m = 1664.9u (average mass)
Amino acid analysis	Ser* 1.8 (2) Pro 1.0 (1) Phe 1.0 (1) Glx 1.0 (1) Tyr 1.0 (1) Trp det. Gly 1.0 (1) Val 1.0 (1) His 1.0 (1) Met 1.0 (1) Arg 1.1 (1) Lys 1.0 (1) * Ser partially destroyed during hydrolysis
Purity (HPLC)	97.3% (TFA) 97.3% (NaClO ₄)
Assay (elemental analysis)	79.1% (Nth 17.67 %, Nfd 13.98 %)
General comment	product is sensitive to oxidation