

# Analytical Data Sheet

Lot number

## 1021959

not for drug use

<b>Catalog Number</b>	<b>H-9220.0001</b>
<b>Product number</b>	<b>4016376.0001</b>
<b>Product</b>	<b>Acetyl- (Cys<sup>4</sup>, D- Phe<sup>7</sup>, Cys<sup>10</sup>) – α- MSH (4– 13) trifluoroacetate salt</b> Ac- Cys- Glu- His- D- Phe- Arg- Trp- Cys- Lys- Pro- Val- NH <sub>2</sub> trifluoroacetate salt (Disulfide bond)
<b>Molecular formula</b>	C <sub>61</sub> H <sub>86</sub> N <sub>18</sub> O <sub>13</sub> S <sub>2</sub>
<b>Relative molecular mass</b>	1343.60

Tests	Results
<b>Appearance</b>	white powder
<b>Identification (FAB-MS)</b>	[M+H] <sup>+</sup> m/z = 1343 u (± 1 u)
<b>Amino acid analysis</b>	Glx 1.00 (1) His 0.98 (1) Arg 1.07 (1) Pro 1.02 (1) Cyss det. (1) Val 1.00 (1) Lys 0.97 (1) Phe 1.00 (1) Trp det. (1)  Cys detected as Cys-Cys * Pro coelutes with Cys
<b>Solubility</b>	soluble in water
<b>Purity (HPLC)</b>	98.3% (TEAP) 98.6% (TFA) 98.7% (NaClO <sub>4</sub> )
<b>Assay (elemental analysis)</b>	76.1% (Nth 18.76 %, Nfd 14.27 %)

Latest update: January 30, 2009

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