

Analytical Data Sheet

Lot number	1000039005 not for drug use
Product	(Nle⁴,D-Phe⁷)-α-MSH trifluoroacetate salt Ac-Ser-Tyr-Ser-Nle-Glu-His-D-Phe-Arg-Trp-Gly-Lys-Pro-Val-NH ₂ trifluoroacetate salt
Product number	4003800.0001
Molecular formula	C ₇₈ H ₁₁₁ N ₂₁ O ₁₉
Relative molecular mass	1646.87

Tests	Results												
Appearance	white powder												
Appearance of solution	clear, colorless solution (1 mg/mL in water)												
Identification (ESI-MS)	m = 1646.9u (average mass)												
Amino acid analysis	<table> <tr> <td>Ser* 1.6 (2)</td><td>Tyr 1.0 (1)</td></tr> <tr> <td>Glx 1.0 (1)</td><td>Val 1.0 (1)</td></tr> <tr> <td>Gly 1.0 (1)</td><td>Lys 1.0 (1)</td></tr> <tr> <td>His 1.0 (1)</td><td>Phe 1.0 (1)</td></tr> <tr> <td>Arg 1.1 (1)</td><td>Nle 1.0 (1)</td></tr> <tr> <td>Pro 1.0 (1)</td><td>Trp det.</td></tr> </table> * Ser partially destroyed during hydrolysis	Ser* 1.6 (2)	Tyr 1.0 (1)	Glx 1.0 (1)	Val 1.0 (1)	Gly 1.0 (1)	Lys 1.0 (1)	His 1.0 (1)	Phe 1.0 (1)	Arg 1.1 (1)	Nle 1.0 (1)	Pro 1.0 (1)	Trp det.
Ser* 1.6 (2)	Tyr 1.0 (1)												
Glx 1.0 (1)	Val 1.0 (1)												
Gly 1.0 (1)	Lys 1.0 (1)												
His 1.0 (1)	Phe 1.0 (1)												
Arg 1.1 (1)	Nle 1.0 (1)												
Pro 1.0 (1)	Trp det.												
Purity (HPLC)	97.8% (TFA) 98.0% (TEAP)												
Assay (elemental analysis)	80.5% (Nth 17.86%, Nfd 14.38%)												

Latest update: September 30, 2020

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