

Analytical Data Sheet

Lot number

1043424

not for drug use

Catalog Number	H-3120.0025
Product number	4011670.0025
Product	GRP (18- 27) (human, porcine, canine) H- Gly- Asn- His- Trp- Ala- Val- Gly- His- Leu- Met- NH ₂
Molecular formula	C ₅₀ H ₇₃ N ₁₇ O ₁₁ S
Relative molecular mass	1120.30

Tests	Results										
Appearance	white powder										
Identification (FAB-MS)	m = 1120.2u										
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 53.61 %</td> <td>C = 42.52 %</td> </tr> <tr> <td>H = 6.57 %</td> <td>H = 5.28 %</td> </tr> <tr> <td>N = 21.25 %</td> <td>N = 14.40 %</td> </tr> </table>	Theory	Found	C = 53.61 %	C = 42.52 %	H = 6.57 %	H = 5.28 %	N = 21.25 %	N = 14.40 %		
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Amino acid analysis	<table border="0"> <tr> <td>Asx 1.04 (1)</td> <td>Trp det.</td> </tr> <tr> <td>Val 1.00 (1)</td> <td>Ala 1.09 (1)</td> </tr> <tr> <td>His 2.02 (2)</td> <td>Leu 1.00 (1)</td> </tr> <tr> <td>Gly 2.00 (2)</td> <td></td> </tr> <tr> <td>Met 1.00 (1)</td> <td></td> </tr> </table>	Asx 1.04 (1)	Trp det.	Val 1.00 (1)	Ala 1.09 (1)	His 2.02 (2)	Leu 1.00 (1)	Gly 2.00 (2)		Met 1.00 (1)	
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His 2.02 (2)	Leu 1.00 (1)										
Gly 2.00 (2)											
Met 1.00 (1)											
Solubility	soluble in water										
Purity (HPLC)	97.8% (TFA) 97.7% (TEAP) 96.2% (NaClO ₄)										
Assay (elemental analysis)	67.6%										
Latest update: July 03, 2012	Analytical Data Sheet Lot number 1043424										