

Analytical Data Sheet

Lot number

3000780

not for drug use

Catalog number

H-5784

Product number

4039888

Product

(Cys(Et)^{2,7})- α -CGRP (human)

H-Ala-Cys(Et)-Asp-Thr-Ala-Thr-Cys(Et)-Val-Thr-His-Arg-Leu-Ala-Gly-Leu-Leu-Ser-Arg-Ser-Gly-Gly-Val-Val-Lys-Asn-Asn-Phe-Val-Pro-Thr-Asn-Val-Gly-Ser-Lys-Ala-Phe-NH₂

Molecular formula

C₁₆₇H₂₇₇N₅₁O₄₉S₂

Relative molecular mass

3847.48

Tests	Results																														
Appearance	white powder																														
Identification (MALDI-MS)	3847.2																														
Amino Acid Analysis	<table border="0"> <tr> <td>Asx</td><td>3.84 (4)</td><td>Thr</td><td>3.82 (4)</td><td>Ser</td><td>2.88 (3)</td> </tr> <tr> <td>Pro</td><td>1.04 (1)</td><td>Gly</td><td>4.09 (4)</td><td>Ala**</td><td>6.00 (4)</td> </tr> <tr> <td>Cys(Et) Det</td><td>(2)</td><td>Val*</td><td>4.13 (5)</td><td>Leu</td><td>2.98 (3)</td> </tr> <tr> <td>Phe</td><td>1.96 (2)</td><td>His</td><td>1.01 (1)</td><td>Lys</td><td>2.04 (2)</td> </tr> <tr> <td>Arg</td><td>2.05 (2)</td><td></td><td></td><td></td><td></td> </tr> </table> <p>*Valine value low due to the resistance of the Val-Val bond to acid hydrolysis **Alanine value high due to the co-elution of Ala and Cys(Et)</p>	Asx	3.84 (4)	Thr	3.82 (4)	Ser	2.88 (3)	Pro	1.04 (1)	Gly	4.09 (4)	Ala**	6.00 (4)	Cys(Et) Det	(2)	Val*	4.13 (5)	Leu	2.98 (3)	Phe	1.96 (2)	His	1.01 (1)	Lys	2.04 (2)	Arg	2.05 (2)				
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Cys(Et) Det	(2)	Val*	4.13 (5)	Leu	2.98 (3)																										
Phe	1.96 (2)	His	1.01 (1)	Lys	2.04 (2)																										
Arg	2.05 (2)																														
Solubility	soluble in 0.1% TFA in water																														
Purity (HPLC)	>96%																														
Assay (amino acid analysis)	77.9%																														
Counter ions	Product supplied as trifluoroacetate salt																														