

Analytical Data Sheet

Lot number

0563953

not for drug use

Catalog Number

H-5784.1000

Product number

4039888.1000

Product

(Cys(Et)^{2,7}) - α-CGRP (human) trifluoroacetate salt
 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
 trifluoroacetate salt

Molecular formula

C₁₆₇H₂₇₇N₅₁O₄₉S₂

Relative molecular mass

3847.48

Tests	Results
Appearance	White powder
Identification (MALDI-MS)	m = 3847.3u
Amino acid analysis	Asx 4.02 (4) His 1.01 (1) Val** 4.66(5) Ser* 2.31 (3) Arg 2.00 (2) Phe 1.99(2) Gly 4.00 (4) Thr* 3.48 (4) Lys 2.02(2) Cys ^o det. (2) Pro 1.00 (1) Leu 2.96 (3) *** 4.38 (4)
	* Partially destroyed during acid hydrolysis ** Valine value low due to the resistance of the Val-Val bond to acid hydrolysis *** Alanine value high due to the coelution of Ala and Cys(Et) ^o Cys(Et) detected
Solubility	Soluble in TFA A
Purity (HPLC)	98.2% TFA 97.6% TEAP
Peptide content	93.1%
Ellmans test	negative
General comment	The product supplied as a trifluoroacetate salt

Latest update: October 25, 2008

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