

Analytical Data Sheet

Lot number **1000031490**
not for drug use

Catalog number H-1470.1000
Product number 4013281.1000
Product α - CGRP (human) trifluoroacetate salt
 H- Ala- Cys- Asp- Thr- Ala- Thr- Cys- 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
 (Disulfide bond)
Molecular formula C₁₆₃H₂₆₇N₅₁O₄₉S₂
Relative molecular mass 3789.36

Tests	Results
Appearance	white lyophilizate
Appearance of solution	clear, colorless solution (1 mg/mL in 50% acetic acid)
Identification (ESI-MS)	m = 3789.3u (average mass)
Amino acid analysis	Asx 4.1 (4) Thr 3.9 (4) Lys 2.0 (2) Ser* 2.8 (3) Ala 4.2 (4) Leu 3.0 (3) Gly 4.1 (4) Pro 1.0 (1) Phe 2.0 (2) His 1.1 (1) Cys 2.2 (2) Arg 2.2 (2) Val** 4.0 (5) * Ser partially destroyed during hydrolysis ** Val-Val incomplete hydrolysis
Purity (HPLC)	97.62% (TFA)
Assay (elemental analysis)	78.2% (Nth 18.85%, Nfd 14.75%)

Latest update: April 22, 2020

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