

Analytical Data Sheet

Lot number

1052041

not for drug use

Catalog Number

H-4936.0500

Product number

4034489.0500

Product

Adrenomedullin (13- 52) (human)

H- Ser- Phe- Gly- Cys- Arg- Phe- Gly- Thr- Cys- Thr- Val-
Gln- Lys- Leu- Ala- His- Gln- Ile- Tyr- Gln- Phe- Thr- Asp-
Lys- Asp- Lys- Asp- Asn- Val- Ala- Pro- Arg- Ser- Lys- Ile-
Ser- Pro- Gln- Gly- Tyr- NH₂
(Disulfide bond)

Molecular formula

C₂₀₀H₃₀₈N₅₈O₅₉S₂

Relative molecular mass

4533.13

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (1 mg/mL in 50% acetic acid)
Identification (MALDI-MS)	m = 4533.0 u (average mass)
Amino acid analysis	Ser* 2.7 (3) Val 2.1 (2) Glx 3.9 (4) Phe 3.0 (3) Lys 3.9 (4) Ile 1.8 (2) Gly 3.0 (3) Leu 1.0 (1) Tyr 1.8 (2) Arg 2.0 (2) Ala 1.9 (2) Asx 4.0 (4) Thr 2.8 (3) His 1.1 (1) Pro 2.0 (2) * Ser partially destroyed during hydrolysis Cys detected as Cyss
Purity (HPLC)	94.8% (TFA) 96.7% (TEAP)
Assay (elemental analysis)	78.0% (Nth 17.92%, Nfd 13.97%)
General comment	product supplied as trifluoroacetate salt
Latest update: February 20, 2014	Analytical Data Sheet Lot number 1052041