

Analytical Data Sheet

Lot number

9045105
not for drug use

Catalog number

H-4718.0500

Product number

4029278.0500

Product

(D-Ser¹)-ACTH (1-24) (human, bovine, rat)
trifluoroacetate salt
H-D-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-
Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-OH
trifluoroacetate salt

Molecular formula

C₁₃₆H₂₁₀N₄₀O₃₁S

Relative molecular mass

2933.48

Tests	Results
Appearance	White powder
Peptide content	66.2%
Purity (HPLC)	95.5%
Solubility	1 mg/ml in H ₂ O
Identification (ESI-MS)	2933.5
Amino acid analysis	
Arg	3.20 (3)
Glx	0.87 (1)
Gly	2.00 (2)
His	0.95 (1)
Lys	3.76 (4)
Met	1.06 (1)
Phe	0.91 (1)
Pro	3.04 (2)
Ser	1.68 (1)
Trp	0.00 (1) *1
Tyr	1.88 (2)
Val	2.66 (3)

*1 Trp was completely destroyed during hydrolysis