

Certificate of Analysis

ACTH 1-39 5mg

Cat. No: ACT5-024
CAS No: 12279-41-3
PubChem CID: 90488848
Chemical Name: ACTH 1-39 5mg
MG: 5mg

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₂₀₇H₃₀₈N₅₆O₅₈S₁

Molecular Weight: 4541.1g/mol

Storage: Powder: -20°C 3 years ; 4°C 2 years ; 15°C 3 month
In solvent: -80°C 6 months ; -2°C 1 month ; 10°C 1 week

Chemical Structure: H-DL-Ser-DL-Tyr-DL-Ser-DL-Met-DL-Glu-DL-His-DL-Phe-DL-Arg-DL-Trp-Gly-DL-Lys-DL-Pro-DL-Val-Gly-DL-Lys-DL-Lys-DL-Arg-DL-Arg-DL-Pro-DL-Val-DL-Lys-DL-Val-DL-Tyr-DL-Pro-DL-Asn-Gly-DL-Ala-DL-Glu-DL-Asp-DL-Glu-DL-Ser-DL-Ala-DL-Glu-DL-Ala-DL-Phe-DL-Pro-DL-Leu-DL-Glu-DL-Phe-OH

ANALYTICAL DATA

Test Items	Specifications	Results
Appearance:	White to off-white lyophilized solid powder	Conforms
Purity (HPLC):	>98.7%	99.1%
TFA Content:	<0.50%	Conforms

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.