

Certificate of Analysis

Product Name: Orexin A- 13 C 18 , 15 N 3 (human, rat, mouse) TFA
Cat. No.: GC80839
Batch No.: 1
Chemical Name:

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.:
Molecular Formula: $C_{134}H_{13}C_{18}H_{243}N_{44}O_{15}N_3O_{44}S_4 \cdot xC_2HF_3O_2$
Molecular Weight: 3581.95
Storage: Sealed storage, away from moisture

Chemical Structure: {Glp}-Pro-{Leu-13C₆, 15N}-Pro-Asp-Cys-Cys-Arg-Gln-Lys-Thr-Cys-Ser-Cys-Arg-{Leu-13C₆, 15N}-Tyr-Glu-{Leu-13C₆, 15N}-Leu-His-Gly-Ala-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Leu-NH₂
(Disulfide bridge: Cys₆-Cys₁₂, Cys₇-Cys₁₄) (TFA salt)

ANALYTICAL DATA

Appearance: A solid
HNMR: Consistent with structure
HPLC: Consistent with structure
Purity: >98.50%
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.

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