Certificate of Analysis

[Leu5]-Enkephalin, amide

Cat. No.: HY-P1470 CAS No.: 60117-24-0 Batch No.: 90477

Chemical Name: L-Leucinamide, L-tyrosylglycylglycyl-L-phenylalanyl-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_{28}H_{38}N_6O_6$ Molecular Weight: 554.64

Storage: Sealed storage, away from moisture and light

> Powder -80°C 2 years

-20°C 1 year

* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

Chemical Structure:

$$\bigcap_{\mathsf{HO}}\bigcap_{\mathsf{NH}_2}$$

ANALYTICAL DATA

White to off-white (Solid) Appearance: ¹H NMR Spectrum: Consistent with structure LCMS: Consistent with structure

Purity (LCMS): 95.33%

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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