

Peptide E

Cat. No.:	HY-P3874
CAS No.:	78355-50-7
Molecular Formula:	C ₁₄₇ H ₂₀₇ N ₄₁ O ₃₄ S ₂
Molecular Weight:	3156.61
Sequence Shortening:	YGGFMRRVGRPEWWMQDYQKRYGGFL
Target:	Opioid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Peptide E is a potent kappa opiate receptor agonist. Peptide E has opiate receptor binding activity with IC ₅₀ value of 0.39 μM. Peptide E can be used for the research of central nervous system ^{[1][2]} .
In Vitro	Peptide E has opiate receptor binding activity with IC ₅₀ value of 0.39 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. E P Heimer, et al. Synthesis of adrenal peptide E and some of its biological activities. Arch Biochem Biophys. 1983 Sep;225(2):518-24.
- [2]. R Quirion, et al. Peptide E and other proenkephalin-derived peptides are potent kappa opiate receptor agonists. Peptides. 1983 Jul-Aug;4(4):445-9.

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

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