Hemorphin-7

Cat. No.: HY-P0318  
CAS No.: 152685-85-3  
Molecular Formula: \( \text{C}_{49}\text{H}_{64}\text{N}_{12}\text{O}_{11} \)  
Molecular Weight: 997.11  
Sequence: Tyr-Pro-Trp-Thr-Gln-Arg-Phe  
Sequence Shortening: YPWTQRF  
Target: Opioid Receptor; Angiotensin-converting Enzyme (ACE)  
Pathway: GPCR/G Protein; Neuronal Signaling; Metabolic Enzyme/Protease  
Storage:  
- **Powder**  
  - \(-80^\circ\text{C}\) 2 years  
  - \(-20^\circ\text{C}\) 1 year  
- **In solvent**  
  - \(-80^\circ\text{C}\) 6 months  
  - \(-20^\circ\text{C}\) 1 month

**BIOLOGICAL ACTIVITY**

**Description**  
Hemorphin-7 is a hemorphin peptide, an endogenous opioid peptide derived from the \(\beta\)-chain of hemoglobin. Hemorphin peptides exhibit antinociceptive and antihypertensive activities, activating opioid receptors and inhibiting angiotensin-converting enzyme (ACE).

**REFERENCES**


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

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