

Dermorphin Peptide

Subcategory: Synthetic Peptide

Cat. No.: 350152

Unit: 5 mg

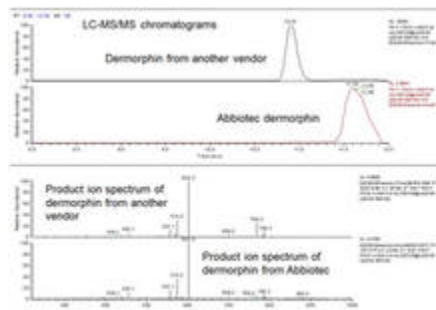
Description:

Dermorphin is a peptide expressed by the frog venom skin glands with a potent opiate-like activity on mu-type opioid receptors, which have potent depressive and analgesic effects. Dermorphin may also have effects on pulmonary ventilation and pituitary hormone release. Dermorphin is 30-40 times more potent than morphine, however it has never been approved for medical use in humans or animals.

Format: Each vial contains 5 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Dermorphin; Hyp-6

Accession No.: P84523



LC-MS/MS chromatogram of Dermorphin Peptide (Cat. No. 350152) showing the correct diastereomer from Abbiotec (Guan F. et al. 2013).

MW: 802.98 g/mol

Sequence: H-Tyr-D-Ala-Phe-Gly-Tyr-Pro-Ser-NH₂ or H-YaFGYPS-NH₂

Composition: C₄₀H₅₀N₈O₁₀

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

Product Citations: Guan F et al. Analytical and Bioanalytical Chemistry. 405(14):4707-4717. PMID# 23571464.

For research use only, not for diagnostic or therapeutic procedures.