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Product Information

Product ID E2542 CAS No. 60117-17-1

Chemical Name

Synonym Enkephalinamide-met-, Methionine enkephalinamide

Formula C₂₇H₃₆N₆O₆S Formula Wt. 572.69

Melting Point

Purity ≥95%

Solubility Soluble in water.

H-Tyr-Gly-Gly-Phe-Met-NH₂

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
E2542	10 mg	\$66.20
E2542	20 mg	\$110.10
E2542	50 mg	\$195.30

Store Temp -20°C Ship Temp Ambient

Description Met-enkephalin is an endogenous opioid peptide that acts as an agonist at μ-opioid receptors (μORs) and δ-opioid receptors (δORs). Met-enkephalin exhibits neuromodulatory, antinociceptive/analgesic, antidepressant, and gastrointestinal motility modulating activities. Like other endogenous opioids, met-enkephalin modulates expression of opioid receptors and plays a role in reward/reinforcement signaling. Met-enkephalin is also involved in exercise-induced reversal of neuropathic pain and in animals undergoing the forced swim test, decreases immobility time. Met-enkephalin inhibits gastrointestinal muscle contractility, inhibiting motility and gastric emptying. Additionally, analogs of this peptide display anticancer and antiepileptic/anticonvulsant activities. TEST!!!!!!

References Gonzalez-Nunez V, Jimenez González A, Barreto-Valer K, et al. In vivo regulation of the µ opioid receptor: role of the endogenous opioid agents. Mol Med. 2013 Mar 5;19:7-17. PMID: 23348513.

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Caution: This product is intended for laboratory and research use only. It is not for human or drug use.