LKT Laboratories, Inc.

Met-Enkephalin

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Product Information

Product ID E5241
CAS No. 58569-55-4
Chemical Name

H-Tyr-Gly-Gly-Phe-Met-OH

Synonym Metenkefalin, Opioid growth factor, 1-5-Adrenorphin (human)

Formula $C_{27}H_{35}N_5O_7S$
Formula Wt. 573.67
Melting Point
Purity ≥95%
Solubility Soluble in 1 M HCl, water, DMSO.

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
E5241	25 mg	$88.10
E5241	50 mg	$151.20
E5241	125 mg	$264.70

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.

References

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