



LKT Laboratories, Inc.

**BAM-12P**

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## Product Information

**Product ID** A0248

**CAS No.** 75513-71-2

**Chemical Name**

**Synonym** Bovine adrenal medulla 12 peptide

**Formula**  $C_{62}H_{97}N_{21}O_{16}S$

**Formula Wt.** 1424.66

**Melting Point**

**Purity**  $\geq 95\%$

**Solubility** Soluble in water.

**Store Temp**  $-20^{\circ}\text{C}$

**Ship Temp** Ambient

**Description** Bovine adrenal medulla 12 peptide (BAM-12P) is a cleavage product of proenkephalin that binds  $\kappa$ -opioid receptors ( $\kappa\text{ORs}$ ). BAM-12P plays a role in antinociceptive signaling.

H-Tyr-Gly-Gly-Phe-Met-Arg-Arg-Val-Gly-Arg-Pro-Glu-OH

## Pricing and Availability

**Bulk quantities available upon request**

| Product ID | Size | List Price |
|------------|------|------------|
| A0248      | 1 mg | \$126.00   |
| A0248      | 2 mg | \$214.30   |
| A0248      | 5 mg | \$377.90   |

**References** Davis TP, Hoyer GL, Davis P, et al. Proenkephalin A-derived peptide E and its fragments alter opioid contractility in the small intestine. *Eur J Pharmacol.* 1990 Dec 4;191(3):253-61. PMID: 2086244.

Mizuno K, Minamino N, Kangawa K, et al. A new endogenous opioid peptide from bovine adrenal medulla: isolation and amino acid sequence of a dodecapeptide (BAM-12P). *Biochem Biophys Res Commun.* 1980 Aug 29;95(4):1482-8. PMID: 7417331.

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