



# LKT Laboratories, Inc.

## Dermorphin

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### Product Information

**Product ID** D1769

**CAS No.** 77614-16-5

**Chemical Name** Tyrosyl-alanyl-phenylalanyl-glycyl-tyrosyl-prolyl-serinamide

**Synonym**

**Formula** C<sub>40</sub>H<sub>50</sub>N<sub>8</sub>O<sub>10</sub>

**Formula Wt.** 802.88

**Melting Point**

**Purity** ≥96%

**Solubility** Slightly soluble in water.

**Store Temp** -20°C

**Ship Temp** Ambient

**Description** Dermorphin is an opioid peptide originally found in the skin of amphibians; it exhibits analgesic and antinociceptive activities, acting as an agonist at  $\mu$ -opioid receptors ( $\mu$ ORs). In animal models of thermal, mechanical, and chemical pain, dermorphin increases pain thresholds. TEST!!!!!!

Tyr-D-Ala-Phe-Gly-Tyr-Pro-Ser-NH<sub>2</sub>

### Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
D1769	1 mg	\$239.40
D1769	2 mg	\$406.40
D1769	5 mg	\$718.30

**References** Mizoguchi H, Bagetta G, Sakurada T, et al. Dermorphin tetrapeptide analogs as potent and long-lasting analgesics with pharmacological profiles distinct from morphine. *Peptides*. 2011 Feb;32(2):421-7. PMID: 21126548.

Guzevatykh LS, Voronina TA, Emel'ianova TG, et al. Comparative analysis of analgesic activities of dermorphin, [DPro6]-dermorphin, and their C-terminal tripeptides. *Izv Akad Nauk Ser Biol*. 2007 Sep-Oct;(5):577-82. PMID: 18038625.

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