



LKT Laboratories, Inc.

Deltorphin I

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID D1644

CAS No. 122752-15-2

Chemical Name Glycinamide, L-tyrosyl-D-alanyl-L-phenylalanyl-L-alpha-aspartyl-L-valyl-L-valyl-

Synonym Deltorphin C, Deltorphin 1, Deltorphin I, ala(2)-, [D-Ala2]-Deltorphin I

Formula C₃₇H₅₂N₈O₁₀

Formula Wt. 768.87

Melting Point

Purity ≥98%

Solubility Soluble in 20% formic acid (1 mg/mL). Slightly soluble in DMSO, methanol.

Store Temp -20°C

Ship Temp Ambient

Description Deltorphin I is an opioid peptide that acts as an agonist at δ-opioid receptors (δORs). Deltorphin I exhibits antinociceptive and pro-angiogenic activities. In vitro, deltorphin I stimulates proliferation, migration, adhesion, and tube formation.

Tyr-D-Ala-Phe-Asp-Val-Val-Gly-NH₂

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
D1644	5 mg	\$239.40
D1644	10 mg	\$406.40
D1644	25 mg	\$718.30

References Dai X, Song HJ, Cui SG, et al. The stimulative effects of endogenous opioids on endothelial cell proliferation, migration and angiogenesis in vitro. *Eur J Pharmacol.* 2010 Feb 25;628(1-3):42-50. PMID: 19932695.

Li SR, Wang T, Wang R, et al. Melatonin enhances antinociceptive effects of delta-, but not mu-opioid agonist in mice. *Brain Res.* 2005 May 10;1043(1-2):132-8. PMID: 15862526.

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