

**Product Information****Product ID** K9858**CAS No.** 70904-56-2**Chemical Name****Synonym** KTP**Formula** C<sub>15</sub>H<sub>23</sub>N<sub>5</sub>O<sub>4</sub>**Formula Wt.** 337.4**Melting Point****Purity** ≥95%**Solubility** Soluble in water.**Store Temp** -20°C**Ship Temp** Ambient

**Description** Kyotorphin is an opioid neuropeptide that exhibits analgesic, antinociceptive, vasodilatory, and antihypertensive activities. Kyotorphin binds the kyotorphin receptor, which is coupled to Gi GPCRs, altering downstream PLC signaling and met-enkephalin release.

**H-Tyr-Arg-OH****Pricing and Availability***Bulk quantities available upon request*

Product ID	Size	List Price
K9858	5 mg	\$126.00
K9858	10 mg	\$214.30
K9858	25 mg	\$377.90

**References** Miguel M, Manso M, Aleixandre A, et al. Vascular effects, angiotensin I-converting enzyme (ACE)-inhibitory activity, and antihypertensive properties of peptides derived from egg white. J Agric Food Chem. 2007 Dec 26;55(26):10615-21. PMID: 18047278.

Ueda H, Inoue M. In vivo signal transduction of nociceptive response by kyotorphin (tyrosine-arginine) through Galpha(i)- and inositol trisphosphate-mediated Ca(2+) influx. Mol Pharmacol. 2000 Jan;57(1):108-15. PMID: 10617685.

Satoh M, Wada T, Iwama T, et al. Sites of analgesic actions of kyotorphin and D-kyotorphin in the central nervous system of rats. Neuropeptides. 1985 Feb;5(4-6):415-8. PMID: 4000414.

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