



Product Information

Product ID K9858

CAS No. 70904-56-2

Chemical Name

Synonym KTP

Formula C₁₅H₂₃N₅O₄

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

Bulk quantities available upon request

Product ID	Size
K9858	5 mg
K9858	10 mg
K9858	25 mg

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.