



LKT Laboratories, Inc.

Hemorphin-7

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lktlabs.com

Web: lktlabs.com

Product Information

Product ID H1648

CAS No.

Chemical Name

Synonym YPWTQRF

Formula $C_{49}H_{64}N_{12}O_{11}$

Formula Wt. 997.12

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water.

Store Temp -20°C

Ship Temp Ambient

Description Hemorphin-7 is a hemorphin peptide, an endogenous opioid peptide derived from the β -chain of hemoglobin. Hemorphin peptides exhibits antinociceptive and antihypertensive activities, activating opioid receptors and inhibiting angiotensin-converting enzyme (ACE).

Tyr-Pro-Trp-Thr-Gln-Arg-Phe

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
H1648	1 mg	\$126.00
H1648	2 mg	\$214.30
H1648	5 mg	\$377.90

References Lantz I, Glämsta EL, Talbäck L, et al. Hemorphins derived from hemoglobin have an inhibitory action on angiotensin converting enzyme activity. FEBS Lett. 1991 Aug 5;287(1-2):39-41. PMID: 1652464.

Liebmann C, Schrader U, Brantl V. Opioid receptor affinities of the blood-derived tetrapeptides hemorphin and cytochrophin. Eur J Pharmacol. 1989 Aug 3;166(3):523-6. PMID: 2553436.

Davis TP, Gillespie TJ, Porreca F. Peptide fragments derived from the beta-chain of hemoglobin (hemorphins) are centrally active in vivo. Peptides. 1989 Jul-Aug;10(4):747-51. PMID: 2587417.

Brantl V, Gramsch C, Lottspeich F, et al. Novel opioid peptides derived from hemoglobin: hemorphins. Eur J Pharmacol. 1986 Jun 17;125(2):309-10. PMID: 3743640.

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