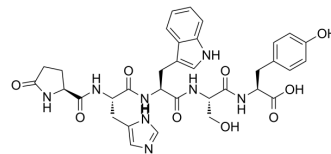


LHRH (1-5) (free acid)

Cat. No.:	HY-P4739
CAS No.:	52434-75-0
Molecular Formula:	C ₃₄ H ₃₈ N ₈ O ₉
Molecular Weight:	702.71
Sequence:	{Pyr}-His-Trp-Ser-Tyr
Sequence Shortening:	{Pyr}-HWSY
Target:	GnRH Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

LHRH (1-5) (free acid) is a polypeptide generated by the cleavage of LHRH at the Tyr⁵-Gly⁶ site. LHRH (1-5) (free acid) is converted into LHRH (1-3) and LHRH (4-5) fragments under the catalysis of Angiotensin-converting enzyme (HY-P2983)^{[1][2]}.

REFERENCES

- [1]. McDermott JR, et al. Mechanism of degradation of LH-RH and neurotensin by synaptosomal peptidases. *Peptides*. 1983 Jan-Feb;4(1):25-30.
- [2]. Yokosawa H, et al. Degradation of luteinizing hormone-releasing hormone by neuroblastoma cells and their membrane: evidence for the involvement of a thiol protease and angiotensin-converting enzyme. *J Neurochem*. 1987 Jan;48(1):293-8.

Caution: Product has not been fully validated for medical applications. For research use only.

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