
Product Data Sheet

Product Name: GHRP4
Cat. No.: GP26108
Batch No.: 1

Product Data

Purity	>98%	Source	
Physical Appearance	solid	Shipping Condition	atRoomtemp.
Synonyms	GHRP-4, GHRP4.		
Amino Acid Sequence	(D-Trp)-Ala-Trp-(D-Phe)-NH ₂ .		
Solubility	It is recommended to reconstitute the lyophilized GHRP4 in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein was lyophilized with no additives.		

Introduction

GH-releasing peptides (GHRPs) are synthetic peptides that like GHRH effect on pituitary somatotrophs to stimulate GH release. The GHRP4 is one of several synthetic met-enkephalin analogs that owns unnatural D-amino acids. They were developed for their growth hormone (GH) releasing activity and called GH secretatogues. They lack opioid activity but are potent stimulators of GH release. These secretatogues are distinct from the growth hormone releasing hormone (GHRH or GHRF) as they share no sequence relation and derive their function through action at a completely different receptor, the ghrelin receptor.

Stability

Lyophilized Growth Hormone Releasing Peptide-4 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GHRP4 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

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

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Background

Growth Hormone Releasing Peptide-4 Synthetic is a single, non-glycosylated polypeptide chain containing 4 amino acids, having a molecular mass of 607.73 Dalton and a Molecular formula of C₃₄H₃₇N₇O₄.

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