



LKT Laboratories, Inc.

## Growth Hormone Releasing Hexapeptide

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### Product Information

Product ID G2969

CAS No. 87616-84-0

**Chemical Name**

Synonym Growth hormone releasing hexapeptide, Skf 110679, GHRP-6

Formula  $C_{46}H_{56}N_{12}O_6$

Formula Wt. 873.04

Melting Point

Purity  $\geq 95\%$

Solubility

Store Temp  $-20^{\circ}C$

Ship Temp Ambient

**Description** Growth hormone releasing hexapeptide (GHRP-6) is a synthetic met-enkephalin analog that induces the release of growth hormone in vivo through binding of the ghrelin receptor. GHRP-6 increases proliferation in astrocytes through a mechanism that involves PI3K/Akt signaling. GHRP-6 also inhibits development of restraint stress-induced gastric lesions and reverses ovariectomy-induced effects on serum glucose and insulin levels. Additionally, GHRP-6 decreases locomotor activity and increases food intake in vivo.

H-His-DTrp-Ala-Trp-DPhe-Lys-NH<sub>2</sub>

**Bulk quantities available upon request**

Product ID	Size
G2969	1 mg
G2969	2 mg
G2969	5 mg

**References** Baquedano E, Chowen JA, Argente J, et al. Differential effects of GH and GH-releasing peptide-6 on astrocytes. J Endocrinol. 2013 Jul 29;218(3):263-74. PMID: 23792323.

Guo S, Gao Q, Jiao Q, et al. Gastric mucosal damage in water immersion stress: mechanism and prevention with GHRP-6. World J Gastroenterol. 2012 Jun 28;18(24):3145-55. PMID: 22791951.

Elbassuoni E, Ragy M, Aziz N. Protective effect of GHRP-6 and estrogen supplementation against some cardiometabolic risk factors in ovariectomized rats. Endocr Regul. 2012 Apr;46(2):73-81. PMID: 22540855.

Yahashi S, Kang KS, Kaiya H, et al. GHRP-6 mimics ghrelin-induced stimulation of food intake and suppression of locomotor activity in goldfish. Peptides. 2012 Apr;34(2):324-8. PMID: 22349352.

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