

GHRF, porcine

Cat. No.:	HY-P3595
CAS No.:	88384-73-0
Molecular Formula:	$C_{219}H_{365}N_{73}O_{66}S$
Molecular Weight:	5108.76
Sequence Shortening:	YADAIFTNSYRKVLGQLSARKLLQDIMSRQQGERNQEKGARVRL-NH2
Target:	GHSR
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	GHRF, porcine is a growth hormone releasing factor (GHRF) peptide (porcine). GHRF binds to GHSR and induces the release of growth hormone ^{[1][2]} .	
In Vitro	GHRF, porcine (50 pM) induces GH release in rat anterior pituitary cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
In Vivo	GHRF, porcine (0.5 µg/kg, i.v.) increases plasma concentrations of porcine somatotropin (pST) in pigs ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Pigs ^[2]
	Dosage:	0.5 µg/kg
	Administration:	Intravenous injection (i.v.)
	Result:	Increased plasma concentrations of porcine somatotropin (pST) in control pigs, without any pST response in pST-treated pigs.

REFERENCES

[1]. Vigh S, et al. Interaction between hypothalamic peptides in a superfused pituitary cell system. Peptides. 1984;5 Suppl 1:241-7.

[2]. Klindt J, et al. Influence of porcine somatotropin administration and sex on glucose and endocrine responses in obese pigs. Proc Soc Exp Biol Med. 1994 Oct;207(1):48-56.

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

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