Product Data Sheet

Gastrin-Releasing Peptide, human

Cat. No.:	HY-P0238
CAS No.:	93755-85-2
Molecular Formula:	$C_{130}H_{204}N_{38}O_{31}S_2$
Molecular Weight:	2859.38
Sequence:	Val-Pro-Leu-Pro-Ala-Gly-Gly-Gly-Thr-Val-Leu-Thr-Lys-Met-Tyr-Pro-Arg-Gly-Asn-His-Trp-Ala-Val-Gly-His-Leu-Met-NH2
Sequence Shortening:	VPLPAGGGTVLTKMYPRGNHWAVGHLM-NH2
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

VPLPAGGGTVLTKMYPRGNHWAVGHLM-NH$_2$

SOLVENT & SOLUBILITY

In Vitro	H_2O : 100 mg/mL (34.97 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	0.3497 mL	1.7486 mL	3.4973 mL
	5 mM	0.0699 mL	0.3497 mL	0.6995 mL
	10 mM	0.0350 mL	0.1749 mL	0.3497 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	Gastrin-Releasing Peptide, human (GRP) belongs to the bombesin-like peptide family, and is not a classical hypothalamic-hypophyseal regulatory hormone since it plays only a perfunctory role in the mediation of pituitary hormone release.
In Vitro	Gastrin-Releasing Peptide, human (GRP) belongs to the bombesin-like peptide family, and is not a classical hypothalamic-hypophyseal regulatory hormone since it plays only a perfunctory role in the mediation of pituitary hormone release. However, GRP/bombesin-like immunoreactivity is widely distributed in mammalian brain, especially the hypothalamus, GI tract and in human fetal lung[1].
	MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Dubovy SR, et al. Expression of hypothalamic neurohormones and their receptors in the human eye. Oncotarget. 2017 Jun 3.