

## Gastrin-Releasing Peptide, human

Cat. No.:	HY-P0238
CAS No.:	93755-85-2
Molecular Formula:	C <sub>130</sub> H <sub>204</sub> N <sub>38</sub> O <sub>31</sub> S <sub>2</sub>
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-Tr p-Ala-Val-Gly-His-Leu-Met-NH <sub>2</sub> VPLPAGGGTVLTKMYPRGNHWAVGHLM-NH <sub>2</sub>
Sequence Shortening:	VPLPAGGGTVLTKMYPRGNHWAVGHLM-NH <sub>2</sub>
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)

### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 100 mg/mL (34.97 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div>Solvent Concentration</div>	Mass	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 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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

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