

## Gastrin I (1-14), human TFA

<b>Cat. No.:</b>	HY-P1806A	
<b>Molecular Formula:</b>	C <sub>81</sub> H <sub>101</sub> N <sub>16</sub> F <sub>3</sub> O <sub>29</sub>	
<b>Molecular Weight:</b>	1819.75	
<b>Sequence:</b>	{Glp}-Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp	{Glp}-GPWLEEEEEAYGW (TFA salt)
<b>Sequence Shortening:</b>	{Glp}-GPWLEEEEEAYGW	
<b>Target:</b>	Others	
<b>Pathway:</b>	Others	
<b>Storage:</b>	Sealed storage, away from moisture and light	
	Powder	-80°C 2 years
		-20°C 1 year
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)	

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (54.95 mM)  
 H<sub>2</sub>O : 100 mg/mL (54.95 mM; Need ultrasonic)  
 \* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.5495 mL	2.7476 mL	5.4953 mL
	5 mM	0.1099 mL	0.5495 mL	1.0991 mL
	10 mM	0.0550 mL	0.2748 mL	0.5495 mL

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

#### In Vivo

1. Add each solvent one by one: PBS  
 Solubility: 100 mg/mL (54.95 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

Gastrin I (1-14), human TFA is 1-14 fragment of human gastrin I peptide. Gastrin I is an endogenous, gastrointestinal peptide hormone. Gastrin is the major hormonal regulator of gastric acid secretion<sup>[1]</sup>.

### REFERENCES

[1]. Jordan PH Jr, et al. Physiology of gastrin. Am J Surg. 1969 Jun;117(6):822-30.

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

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