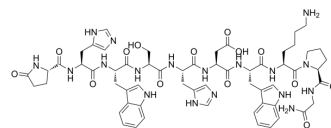


LGnRH-III, lamprey

Cat. No.:	HY-P1808
CAS No.:	147859-97-0
Molecular Formula:	C ₅₉ H ₇₄ N ₁₈ O ₁₄
Molecular Weight:	1259.33
Sequence:	{pGLP}-His-Trp-Ser-His-Asp-Trp-Lys-Pro-Gly-NH ₂
Sequence Shortening:	{pGLP}-HWSHDWKPG-NH ₂
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 ₂ O : 50 mg/mL (39.70 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	0.7941 mL	3.9704 mL	7.9407 mL
		5 mM	0.1588 mL	0.7941 mL	1.5881 mL
	10 mM	0.0794 mL	0.3970 mL	0.7941 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 (79.41 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	LGnRH-III, lamprey, an isoform of GnRH isolated from the sea lamprey, is a weak GnRH agonist with antitumor activities ^{[1][2]} .
IC ₅₀ & Target	GnRH ^[2]

REFERENCES

[1]. Pappa EV, et al. Structure-activity studies of LGnRH-III through rational amino acid substitution and NMR conformational studies. Biopolymers. 2012;98(6):525-34.

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

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