

M871

Cat. No.:	HY-P1130	
CAS No.:	908844-75-7	
Molecular Formula:	C ₁₀₈ H ₁₆₃ N ₂₇ O ₂₈	
Molecular Weight:	2287.61	WTLNSAGYLLGPEHPPALALA-NH ₂
Sequence:	H2N-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-Glu-His-Pro-Pro-Pro-Ala-Leu-Ala-Leu-Ala-NH ₂	
Sequence Shortening:	WTLNSAGYLLGPEHPPALALA-NH ₂	
Target:	Neuropeptide Y Receptor	
Pathway:	GPCR/G Protein; Neuronal Signaling	
Storage:	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 (43.71 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
	Concentration			
	1 mM	0.4371 mL	2.1857 mL	4.3714 mL
	5 mM	0.0874 mL	0.4371 mL	0.8743 mL
	10 mM	0.0437 mL	0.2186 mL	0.4371 mL

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

BIOLOGICAL ACTIVITY

Description

M871 (Galanin-(2-13)-Glu-His-(Pro)3-(Ala-Leu)2-Ala-amide) is a selective galanin receptor type 2 (GalR2) antagonist. M871 exhibits K_i values of 13.1 nM and 420 nM for GalR2 and GalR1, respectively. M871 can be used for research on GalR2-related diseases (such as epilepsy, pain)^[1].

IC₅₀ & Target

GalR2^[1].

REFERENCES

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

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