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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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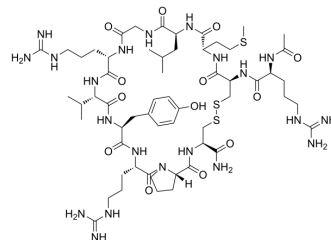
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Ac-hMCH(6-16)-NH₂

Cat. No.:	HY-P3155
CAS No.:	353486-32-5
Molecular Formula:	C ₅₈ H ₉₇ N ₂₁ O ₁₃ S ₃
Molecular Weight:	1392.72
Sequence:	Ac-Arg-Cys-Met-Leu-Gly-Arg-Val-Tyr-Arg-Pro-Cys-NH ₂ (disulfide bridge:Cys2-Cys11)
Sequence Shortening:	Ac-RCMLGRVYRPC-NH ₂ (disulfide bridge:Cys2-Cys11)
Target:	MCHR1 (GPR24)
Pathway:	GPCR/G Protein; Neuronal Signaling
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

DMSO : 100 mg/mL (71.80 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		0.7180 mL	3.5901 mL	7.1802 mL
	5 mM		0.1436 mL	0.7180 mL	1.4360 mL
	10 mM		0.0718 mL	0.3590 mL	0.7180 mL

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

BIOLOGICAL ACTIVITY

Description

Ac-hMCH(6-16)-NH₂ binds to and activates equally well both human MCH receptors present in the brain (non-selective agonist), with IC₅₀ values of 0.16 nM and 2.7 nM for MCH-1R and MCH-2R^[1].

In Vitro

Ac-hMCH(6-16)-NH₂ exhibits EC₅₀ values of 20 nM and 98 nM for MCH-1R and MCH-2R in aequorin functional assay, respectively^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Maria A Bednarek, et al. Synthesis and biological evaluation in vitro of a selective, high potency peptide agonist of human melanin-concentrating hormone action at human melanin-concentrating hormone receptor 1. J Biol Chem. 2002 Apr 19;277(16):13821-6.

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

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