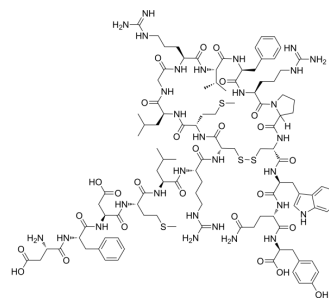


(Phe13,Tyr19)-MCH (human, mouse, rat)

Cat. No.:	HY-P4680
CAS No.:	160201-86-5
Molecular Formula:	C ₁₀₉ H ₁₆₀ N ₃₀ O ₂₆ S ₄
Molecular Weight:	2434.88
Sequence:	Asp-Phe-Asp-Met-Leu-Arg-Cys-Met-Leu-Gly-Arg-Val-Phe-Arg-Pro-Cys-Trp-Gln-Tyr (Disulfide bridge: Cys7-Cys16)
Sequence Shortening:	DFDMLRCMLGRVFRPCWQY (Disulfide bridge: Cys7-Cys16)
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 (41.07 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.4107 mL	2.0535 mL	4.1070 mL
5 mM	0.0821 mL	0.4107 mL	0.8214 mL
10 mM	0.0411 mL	0.2053 mL	0.4107 mL

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

BIOLOGICAL ACTIVITY

Description

(Phe13,Tyr19)-MCH (human, mouse, rat) is a potent SLC-1 and S643b receptor ligand. (Phe13,Tyr19)-MCH (human, mouse, rat) can be used as an agonist for SLC-1 and S643b receptor^[1].

IC₅₀ & Target

SLC-1/S643b^[1]

REFERENCES

[1]. Rodriguez M, et al. Cloning and molecular characterization of the novel human melanin-concentrating hormone receptor MCH2. Mol Pharmacol. 2001 Oct;60(4):632-9.

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

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