



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Melanin Concentrating Hormone, salmon TFA

<b>Cat. No.:</b>	HY-P1525A
<b>Molecular Formula:</b>	C <sub>91</sub> H <sub>140</sub> F <sub>3</sub> N <sub>27</sub> O <sub>26</sub> S <sub>4</sub>
<b>Molecular Weight:</b>	2213.5
<b>Sequence:</b>	Asp-Thr-Met-Arg-Cys-Met-Val-Gly-Arg-Val-Tyr-Arg-Pro-Cys-Trp-Glu-Val (Disulfide bridge: Cys5-Cys14) DTMRCMVGRVYRCPWEV (Disulfide bridge: Cys5-Cys14) (TFA salt)
<b>Sequence Shortening:</b>	DTMRCMVGRVYRCPWEV (Disulfide bridge: Cys5-Cys14)
<b>Target:</b>	MCHR1 (GPR24)
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	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

<b>In Vitro</b>	H <sub>2</sub> O : 25 mg/mL (11.29 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent Concentration</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>		0.4518 mL	2.2589 mL	4.5177 mL
		<b>5 mM</b>		0.0904 mL	0.4518 mL	0.9035 mL
		<b>10 mM</b>		0.0452 mL	0.2259 mL	0.4518 mL
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (45.18 mM); Clear solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Melanin Concentrating Hormone, salmon TFA (MCH (salmon) TFA) is a 19-amino-acid neuropeptide initially identified in the pituitary gland of teleost fish, which regulates food intake, energy balance, sleep state, and the cardiovascular system. Melanin-concentrating hormone is a ligand for an orphan G protein-coupled receptor (SLC-1/GPR24) and MCHR2.
<b>IC<sub>50</sub> &amp; Target</b>	SLC-1/GPR24, MCHR2 <sup>[1]</sup>

### REFERENCES

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[1]. An S, et al. Identification and characterization of a melanin-concentrating hormone receptor. Proc Natl Acad Sci U S A. 2001 Jun 19;98(13):7576-81. *Ab Disord*. 2002 Oct;26(10):1289-95.

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

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