



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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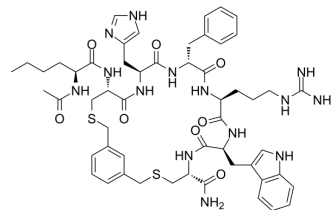
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hMC1R agonist 1

Cat. No.:	HY-P99004
CAS No.:	3028881-87-7
Molecular Formula:	C ₅₄ H ₇₀ N ₁₄ O ₈ S ₂
Molecular Weight:	1107.35
Sequence:	metaXylene Ac-{Nle}-Cys-His-{d-Phe}-Arg-Trp-Cys-NH ₂
Sequence Shortening:	metaXylene Ac-{Nle}-CH-{d-Phe}-RWC-NH ₂
Target:	Melanocortin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Sealed storage, away from moisture and light, under nitrogen



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (90.31 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.9031 mL	4.5153 mL	9.0306 mL
5 mM	0.1806 mL	0.9031 mL	1.8061 mL
10 mM	0.0903 mL	0.4515 mL	0.9031 mL

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

BIOLOGICAL ACTIVITY

Description

(EC₅₀=3 nM). hMC1R agonist 1 shows at least 300-fold selectivity for hMC1R over hMC3R (b>EC₅₀=902 nM), hMC4R (b>EC₅₀=915 nM), and hMC5R (b>EC₅₀=>1000 nM). hMC1R agonist 1 has the potential for the therapeutic intervention of melanocortin family^[1].

IC₅₀ & Target

MC1R

REFERENCES

[1]. Nafie MS, et al. Exploration of novel VEGFR2 tyrosine kinase inhibitors via design and synthesis of new alkylated indolyl-triazole Schiff bases for targeting breast cancer. Bioorg Chem. 2022; 122:105708.

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

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