

[Nle13]-Motilin

Cat. No.:	HY-P3680
CAS No.:	55524-56-6
Molecular Formula:	C ₁₂₁ H ₁₉₀ N ₃₄ O ₃₅
Molecular Weight:	2681.01
Sequence Shortening:	FVPIFTYGELQR-{Nle}-QEKERNKGQ
Target:	Motilin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	[Nle13]-Motilin, a motilin analogue, is a motilin receptor agonist ^{[1][2]} .
In Vitro	[Nle13]-Motilin (0.1-30 nM, 15 min) increases the amplitude of electrically-evoked, neuronally-mediated contractions in the isolated gastric antrum ^[1] . [Nle13]-Motilin (0.3 μM, 10 min) induces a moderate increase in spontaneous contractility in the stomach ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Dass NB, et al. The rabbit motilin receptor: molecular characterisation and pharmacology. Br J Pharmacol. 2003 Nov;140(5):948-54.

[2]. Venkova K, et al. Effect of TZIP-201, a novel motilin receptor antagonist, in the colon of the musk shrew (*Suncus murinus*). J Pharm Pharmacol. 2009 Mar;61(3):367-73.

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

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