

Atilmotin

Cat. No.:	HY-106258
CAS No.:	533927-56-9
Molecular Formula:	$C_{86}H_{135}N_{20}O_{19}^+$
Molecular Weight:	1753.11
Sequence:	{Phe(Me3)}-Val-Pro-Ile-Phe-Thr-Tyr-Gly-Glu-Leu-Gln-Arg-Leu-Lys
Sequence Shortening:	{Phe(Me3)}-VPIFTYGELQRLK
Target:	Motilin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	OHM 11638 (Atilmotin), an analogue of the (1-14) fragment of porcine motilin, is a motilin receptor agonist with a pK_d of 8.94 for the motilin receptor. OHM 11638 affects esophageal, lower esophageal sphincter (LES), and gastric motility. OHM 11638 increases LES and gastric pressures, OHM 11638 can be used as prokinetic agents ^{[1][2]} .
IC ₅₀ & Target	pK_d : 8.94 (Motilin Receptor) ^[1]

REFERENCES

- [1]. Peeters T L. Motilin and the Discovery and Development of Motilinomimetics. Old Herborn University Seminar Monograph. INSTITUTE FOR MICROBIOLOGY AND BIOCHEMISTRY, 1997, 9: 77-87.
- [2]. Korimilli A, Parkman HP. Effect of atilmotin, a motilin receptor agonist, on esophageal, lower esophageal sphincter, and gastric pressures. Dig Dis Sci. 2010 Feb;55(2):300-6.

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

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