

## Motilin, human, porcine

Cat. No.:	HY-P3176
CAS No.:	9072-41-7
Molecular Formula:	C <sub>120</sub> H <sub>188</sub> N <sub>34</sub> O <sub>35</sub> S
Molecular Weight:	2699.05
Sequence:	Phe-Val-Pro-Ile-Phe-Thr-Tyr-Gly-Glu-Leu-Gln-Arg-Met-Gln-Glu-Lys-Glu-Arg-Asn-Lys-Gly-Gln
Sequence Shortening:	FVPIFTYGELQRMQEKERKNGQ
Target:	Motilin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	Motilin, human, porcine is a gastrointestinal hormone, which is released during fasting and after eating, or by drinking water. Motilin, human, porcine promotes enteric cholinergic activity in human stomach with an EC <sub>50</sub> of 33 nM, and thus modulates gastrointestinal motility function <sup>[1]</sup> .
In Vitro	Motilin, human, porcine binds the motilin receptor in human with an EC <sub>50</sub> of 11 nM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Sanger GJ, et al., Motilin: towards a new understanding of the gastrointestinal neuropharmacology and therapeutic use of motilin receptor agonists. Br J Pharmacol. 2013 Dec;170(7):1323-32.

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

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