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Inhibitors, Agonists, Screening Libraries

Motilin Receptor

MLNR

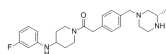
Motilin receptor is a G protein-coupled receptor that binds motilin. Motilin in turn is an intestinal peptide that stimulates contraction of gut smooth muscle. The main function of motilin is to increase the migrating myoelectric complex component of gastrointestinal motility and stimulate the production of pepsin. Motilin is called "housekeeper of the gut" because it improves peristalsis in the small intestine and clears out the gut to prepare for the next meal. A high level of motilin secreted between meals into the blood stimulates the contraction of the fundus and antrum and accelerates gastric emptying. It then contracts the gallbladder and increases the squeeze pressure of the lower esophageal sphincter. Other functions of motilin include increasing the release of pancreatic polypeptide and somatostatin.

Motilin Receptor Agonists & Antagonists

Camicinal (GSK962040)

Cat. No.: HY-10922

Camicinal (GSK962040) is a small molecule, selective motilin receptor agonist with pEC₅₀ of 7.9.

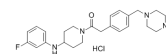


Purity: 95.82%
Clinical Data: Phase 2
Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

Camicinal hydrochloride (GSK962040 hydrochloride)

Cat. No.: HY-10922A

Camicinal hydrochloride (GSK962040 hydrochloride) is a small molecule, selective motilin receptor agonist with pEC₅₀ of 7.9.

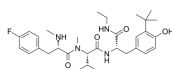


Purity: >98%
Clinical Data: Phase 2
Size: 1 mg, 5 mg

MA-2029

Cat. No.: HY-107642

MA-2029 is a selective, orally active, and competitive **motilin receptor** antagonist (IC₅₀ = 4.9 nM). MA-2029 is selective for the motilin receptor over various other receptors and ion channels.



Purity: >99.0%
Clinical Data: No Development Reported
Size: 10 mM × 1 mL, 1 mg, 5 mg, 10 mg

Motilin (26-47), human, porcine

Cat. No.: HY-P1037

Motilin (26-47), human, porcine is an endogenous motilin receptor ligand with K_i and EC₅₀ of 2.3 nM and 0.3 nM in a Chinese hamster ovary cell line.

FVPIFTYGELORMQEKERNKGGQ

Purity: 95.82%
Clinical Data: No Development Reported
Size: 500 µg, 1 mg, 5 mg