Manserin

Also called: Manserin; Secretogranin II-derived peptide manserin

What it is

Manserin is a 40-amino-acid peptide produced by processing of secretogranin II, the same precursor as secretoneurin and EM66 (UniProt P13521). First isolated from rat brain in 2004 (PMID 15257142), it is a stress-related neuroendocrine peptide found across the pituitary, hypothalamus, pancreatic islets, inner ear, carotid body and CGRP-positive sensory neurons (PMIDs 20495819, 29169693, 22034517, 34775224), and in humans it marks more aggressive prostate cancer (PMID 21803620). It is an endogenous research peptide and tissue marker, not an approved medicine, and has never been given to people as a treatment.

Approval status

Research Chemical. Not a drug: Drugs@FDA and the openFDA label endpoint hold no record, and FDA GSRS and ChEMBL hold no substance record for manserin (searched November 6, 2026). It is an endogenous secretogranin-II-derived peptide; there is no therapeutic development of manserin itself, and no registered interventional trial of giving it to people. It is studied as a neuroendocrine peptide and a prostate-cancer marker.

Dosing, as printed in the page's Recommended Dosing box

No established human dose

Manserin is an endogenous secretogranin-II-derived peptide that has never been given to people as a treatment. The human study uses manserin as a tissue marker, and the rest of the work maps the body's own peptide in animals.

Educational information, not medical advice. None is a recommendation for you. An unapproved compound has no established safe or effective human dose, and products sold for "research use only" are not made or tested for people. Talk to a doctor before acting on anything on this site, including before you start, stop or change any medicine or dose.

Key human evidence

The 1 human study carded on the page (6 study cards in all):

• **Manserin marks prostate-cancer progression** (Human, 2011). In 87 prostate-cancer patients, the manserin-positive rate rose with Gleason sum (0%, 20%, 35% and 48% for sums of 6, 7, 8 and ≥9), and among patients with T3/T4 disease, median time to progression was 8 months with manserin expression versus 28 months without. Manserin expression was an independent risk factor for progression — the first report of manserin in human prostate cancer and a potential marker of aggressive disease (a human observational study). **PMID 21803620**

Interactions

A PubMed search for interaction studies of this compound with any drug (November 6, 2026, 0 records) found none in people. That is not evidence that it is safe to combine with anything.

Side effects and cautions

Reported side effects	Contraindications and cautions
• No human adverse-event data exist: no published study has administered manserin to people • The human study uses manserin immunostaining as a prostate-cancer marker, not as a treatment (PMID 21803620) • In animals it is mapped across many neuroendocrine and sensory tissues (PMIDs 20495819, 34775224) — a distribution, not a human safety profile • Material sold online as 'manserin' is an unregulated research chemical of unverified content	• Not a medicine: no FDA application or label, and no approval anywhere • No human dosing, interaction, pregnancy or long-term safety data exist for administered manserin • It is a laboratory research peptide and a tissue marker, not a treatment • Its receptor and signalling mechanism are not yet established

Five questions to ask

1. Manserin is listed here as "Research Chemical". What does the evidence on this sheet mean for someone in my situation, and is there an approved treatment I should consider instead?
2. Here are the medicines and supplements I take. Do any of them interact with Manserin? This sheet records none published, which does not mean none exist.
3. Which side effects should make me stop and call you, for example no human adverse-event data exist: no published study has administered manserin to people?
4. Do any of the cautions on this sheet apply to me, such as: Not a medicine: no FDA application or label, and no approval anywhere?
5. What should we check before I start and while I am on it (blood tests, blood pressure, weight), and how often?

Grey Peptides is a vendor-neutral encyclopedia: it sells nothing and names no seller. This sheet is educational, not medical advice, and is not a prescription.