

Hexarelin

Hexarelin is a synthetic hexapeptide growth hormone secretagogue that activates the ghrelin receptor. It has been studied in small human studies of growth hormone release and in cardiovascular research, and is not approved for any use.

Evidence	Early clinical studies
US status	Not FDA-approved for any use
WADA	Prohibited (S2)

Hexapeptide amide related to GHRP-6, with 2-methyl-D-tryptophan at position 2.

What the COA should show

A certificate of analysis should confirm identity by mass spectrometry against the expected mass shown on this page and report reverse-phase HPLC purity with the chromatogram. The two tryptophan-type residues are prone to oxidation, producing +16 and +32 Da species, which should be monitored as related substances. Because the D-configuration at positions 2 and 5 is essential, diastereomeric impurities may be present and are not distinguished by mass alone; chiral or high-resolution HPLC methods help. Confusion with GHRP-6, which differs by a methyl group (about 14 Da), is a further identity check. Counter-ion and net peptide content should be stated.

Storage and stability

Store lyophilized hexarelin sealed at -20 °C or colder, protected from light and moisture, because the tryptophan-derived residues are sensitive to photo-oxidation. Allow vials to reach room temperature before opening to avoid condensation. Solutions for lab use should be prepared in sterile, preferably degassed water or buffer, kept refrigerated for short-term work, aliquoted for longer storage at -20 °C or below, and not subjected to repeated freeze-thaw cycles.

Full entry, references and latest research: <https://peptidewiki.net/compounds/hexarelin/>
For laboratory research reference only. Not medical advice; not for human or veterinary use.