CERTIFICATE OF ANALYSIS | INDEPENDENT ANALYTICAL LABORATORY REPORT

FS-TS1 (10 mg)

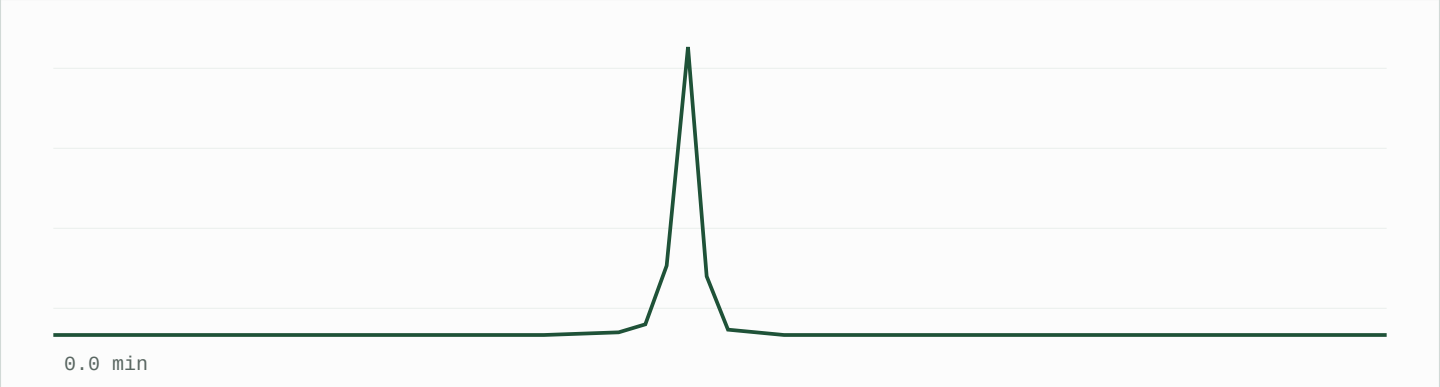
Chemical / Reference Class: Synthetic 44-AA GHRH Analog (Trans-3-Hexenoyl)

Sample / Accession ID:	2605110190	**Physical Appearance:**	White Lyophilized Powder
Lot / Batch Number:	AV2C30	**Sample Matrix / Format:**	Vial (Lyophilized Reference Material)
Report Date:	05/12/2026	**Storage Specification:**	-20 C, Desiccated, Protected from Light

Analytical Assay Results

ASSAY PARAMETER	ANALYTICAL METHOD	SPECIFICATION	RESULT
Peptide Purity	RP-HPLC (UV 214 nm)	>= 98.0%	**99.4% HPLC**
Molecular Identity	ESI-LC-MS Mass Confirmation	Conforms to Reference	**Confirmed**
Net Peptide Content	Gravimetric / Quantitative HPLC	10.0 mg +/- 10%	**10.42 mg**
Bacterial Endotoxins	USP <85> Kinetic Chromogenic LAL	< 5.0 EU/mg	**Conforms (Pass)**
Residual Moisture	Karl Fischer Titration	<= 5.0% w/w	**< 2.1% (Pass)**

RP-HPLC UV Chromatogram Summary (214 nm)



Analytical Method & Quality Assurance

Reversed-phase C18 column gradient elution (0.1% TFA in water / 0.1% TFA in acetonitrile) with UV detection at 214 nm coupled to electrospray ionization mass spectrometry (ESI-LC-MS) under controlled laboratory reference conditions.

QA Disposition: RELEASED | Verified by Principal Analytical Chemist

For research use only. Not for human consumption.

This material is a laboratory reagent supplied strictly for controlled in-vitro research and analytical calibration.
Products are not approved for human or veterinary use, diagnostic, therapeutic, or clinical applications.
Statements have not been evaluated by the U.S. Food and Drug Administration.