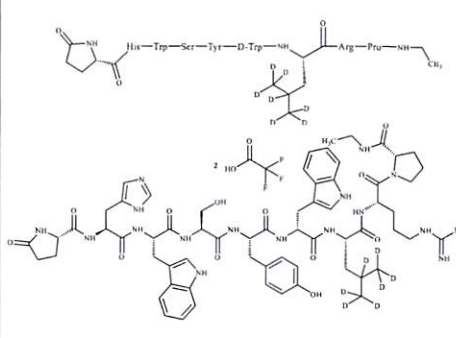


Certificate of Analysis

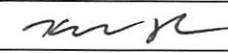

Certificate No.: 20260609003

Date: June 9, 2026

Retest date: May 8, 2029

Compound Name:	Deslorelin-d₇ Ditrifluoroacetate	
Synonyms:	(S)-N-ethyl-1-(((S)-5-oxopyrrolidine-2-carbonyl)-L-histidyl-L-tryptophyl-L-seryl-L-tyrosyl-D-tryptophyl-L-leucyl-d ₇ -L-arginyl)pyrrolidine-2-carboxamide, 2,2,2-trifluoroacetic acid (1:2)	
TLC Catalogue Number:	PD-107002	
CAS Number:	N/A	
Alternate CAS Number:	57773-65-6 (non-labelled, free base)	
Molecular Weight:	1289.52 2*114.02	
Molecular Formula:	C ₆₄ H ₇₆ D ₇ N ₁₇ O ₁₂ . 2 C ₂ HF ₃ O ₂	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	7363-092A6	
Storage Conditions:	Hygroscopic, store at 2-8 °C	
Solubility:	Methanol, DMSO, Water	

Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
¹⁹ F NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	97.4%
Impurity (HPLC)	RT 14.37, 0.39%; RT 16.42, 0.26%; RT 18.93, 1.63%	
Isotopic Enrichment	Not less than 98.0%	99.8%
Optical Rotation	N/A	[α] _D ^{24.0} (c=0.31, 0.1M acetic acid(aq)): -63.5°
Residual Solvents (¹⁹F qNMR)	0.9% trifluoroacetic acid	
Assay (¹H qNMR)	Not less than 90.0%	91.3%
Recommendation:	Release.	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/09/2026
Approved by:	Quality Assurance		06/09/2026

Attachments: Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.