



Epithalon

CAS NUMBER
307297-39-8

MOLECULAR FORMULA
C₁₄H₂₂N₄O₉

MOLECULAR WEIGHT
390.3 g/mol

SEQUENCE
Ala-Glu-Asp-Gly

LOT NUMBER
EPI-2408C

DATE OF ANALYSIS
August 20, 2026

RETEST DATE
August 19, 2028

ANALYTICAL LABORATORY
Third-party HPLC/MS

ANALYTICAL RESULTS

TEST	METHOD	SPECIFICATION	RESULT
Appearance	Visual	White to off-white lyophilized powder	Conforms
Identity (molecular mass)	ESI-MS	390.3 g/mol +/- 1.0 Da	390.1 Da
Purity	RP-HPLC, UV 214 nm	NLT 98.0%	98.80%
Single largest impurity	RP-HPLC, UV 214 nm	NMT 1.0%	0.55%
Water content	Karl Fischer titration	NMT 8.0%	5.8%
Acetate content	Ion chromatography	NMT 15.0%	6.3%
Peptide content	Nitrogen determination	NLT 80.0%	83.3%
Residual solvents	GC headspace, ICH Q3C	Meets ICH limits	Conforms
Bacterial endotoxins	LAL, USP <85>	< 1.0 EU/mg	Conforms

CONFORMS — lot EPI-2408C meets all specifications listed above.

CHROMATOGRAPHIC CONDITIONS

Column: C18 reversed phase, 4.6 × 250 mm, 5 µm, 100 Å
Mobile phase A: 0.1% TFA in water · B: 0.1% TFA in acetonitrile
Gradient: 5-65% B over 30 min · Flow: 1.0 mL/min · 25 °C
Detection: UV 214 nm · Injection volume: 20 µL
Mass spectrometry: ESI, positive ion mode

STORAGE & HANDLING

Lyophilized: -20°C, protected from light.

RELEASED BY
Quality Control, Ascendtials LLC

DATE OF ISSUE
August 20, 2026

FOR LABORATORY RESEARCH USE ONLY — NOT FOR HUMAN OR VETERINARY USE.

This certificate applies only to the lot identified above. Not for use in food, drugs, medical devices, or cosmetics.

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