

Epitalon Peptide Passport

Sequence: AEDG

Product Name: Epitalon

Calculated Molecular Weight: 390.13 g/mol

Molecular Weight Confirmation Method: MALDI-TOF

HPLC Purity: 98.27%

Quantity: 1.5 g

Form: Lyophilized Powder

Counter-ion: Acetate

HPLC Analysis

Column: RESTEK ULTRA 150 mm × 3.0 mm, C18, 5 µm

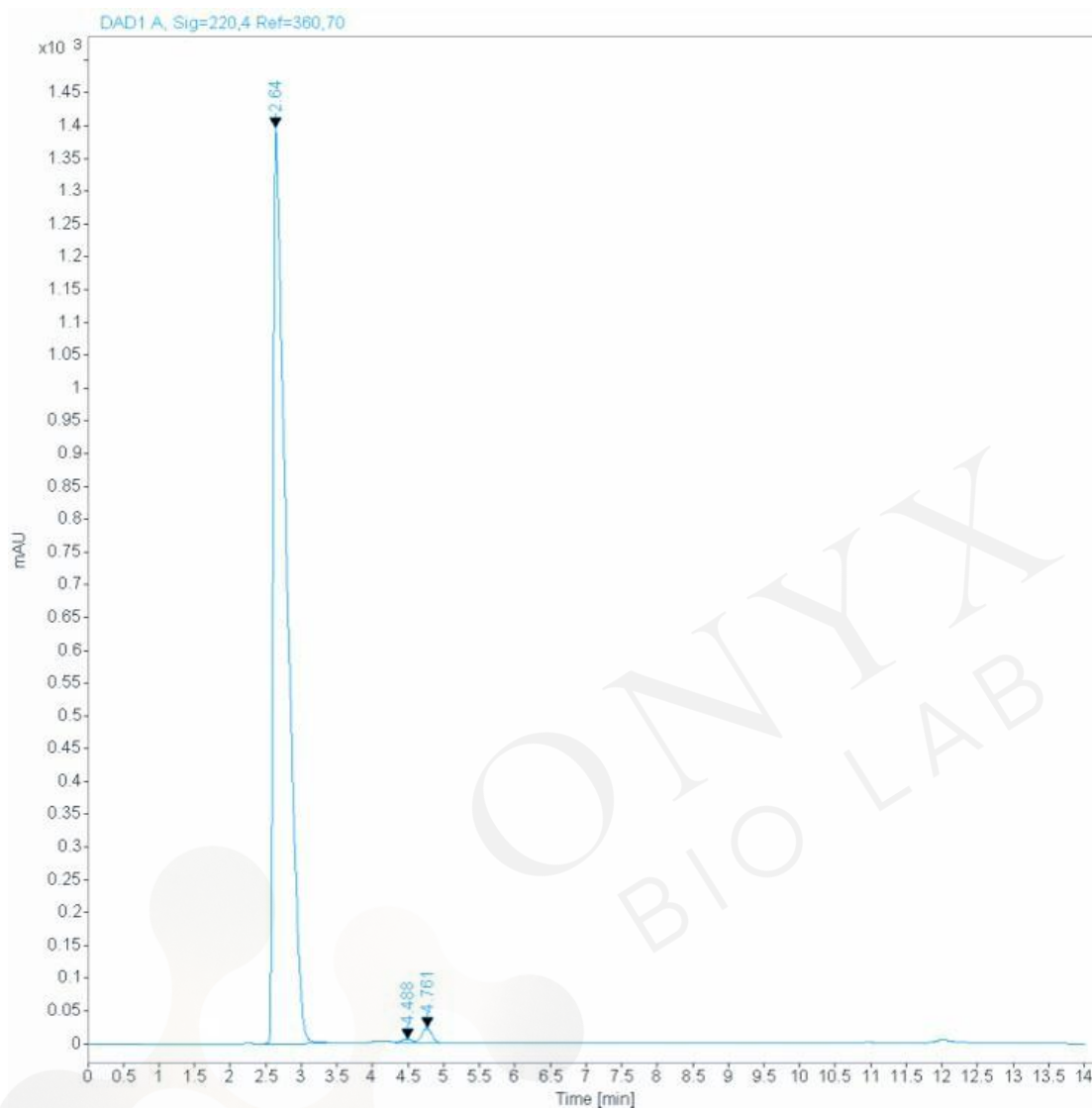
Gradient Analysis: 0–6% B over 14 minutes

Mobile Phase A: 50 mM NaClO₄ + 10 mM H₃PO₄ in water

Mobile Phase B: 10 mM H₃PO₄ in 50% acetonitrile

Flow Rate: 0.75 mL/min

Temperature: 20°C



Test Results

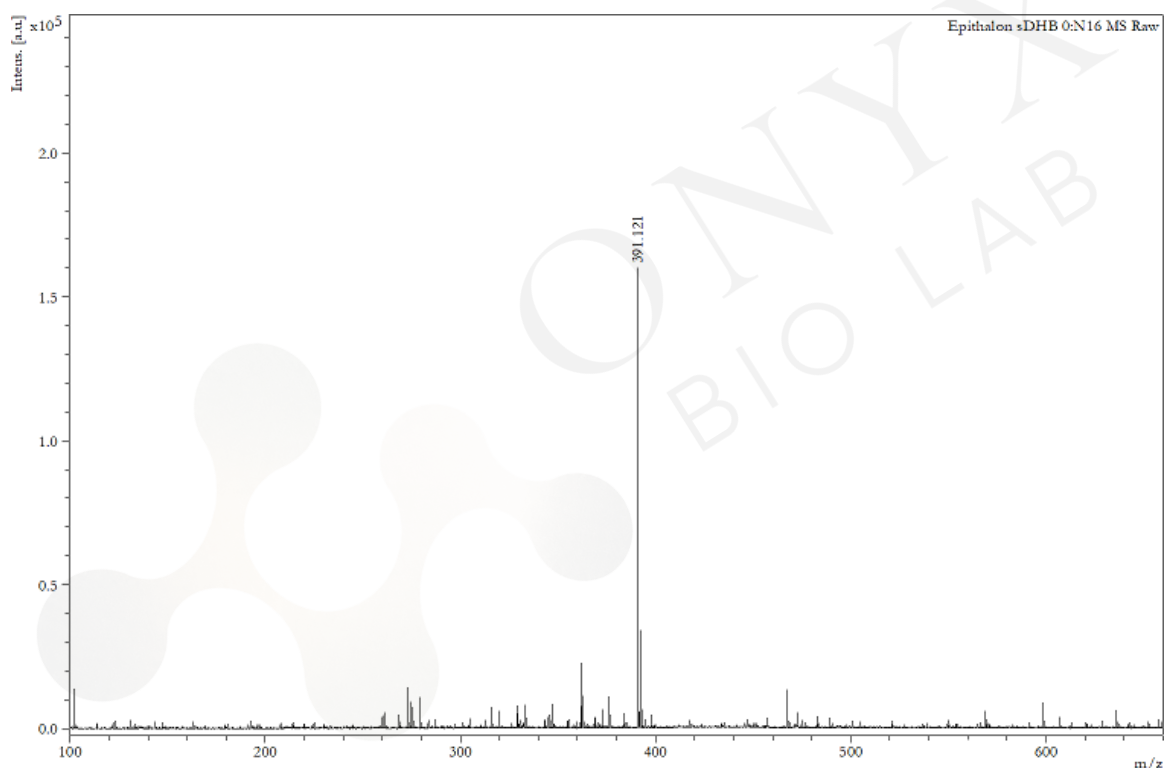
Retention Time (RT)	Area	Height	Area %
2.640 min	18154.7363	1398.0975	98.2688%
4.488 min	75.0288	6.3180	0.4061%
4.761 min	244.7965	23.6126	1.3250%

MALDI-TOF Mass Spectrometry

Molecular Ion Mass: 391.121 m/z [M+H]⁺

Signal: DAD1 A, Sig=220,4 Ref=360,70

RT [min]	Type	Width [min]	Area	Height	Area%	Name
2.640	BB	0.1835	18154.7363	1398.0975	98.2688	
4.488	VV	0.1745	75.0288	6.3180	0.4061	
4.761	VB	0.1590	244.7965	23.6126	1.3250	
Sum			18474.5616			



MALDI-TOF Mass Spectrometry

Molecular Ion Mass: 391.121 m/z [M+H]⁺