

**Client:** Justin Tanger (NHNootropics)  
**Sample:** N-acetyl Semax Lot: NT4  
**Report Date:** 1/7/2025  
**Test:** Identity

**Receipt Date:** 1/3/2025  
**Analysis Date:** 1/6/2025  
**Matrix:** Powder  
**Number of samples:** 1

## Certificate of Analysis

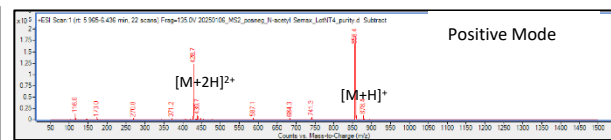
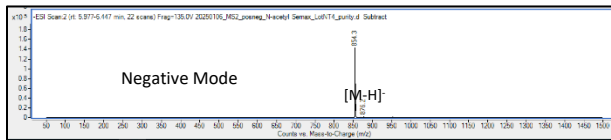
### Test Screen

#### Identity: N-Acetyl SEMAX

(Other names: N-Acetyl-L-Methionyl-L-alpha-glutamylhistidyl-L-phenylalanyl-L-prolylglycyl-L-proline, Acetyl-(2S)-1-[2-([(2S)-1-[(2S)-2-([(2S)-2-([(2S)-2-amino-4-methylsulfanylbutanoyl]amino)-5-hydroxy-5-oxopentanoyl]amino)-3-(1H-imidazol-5-yl)propanoyl]amino)-3-phenylpropanoyl]pyrrolidine-2-carbonyl]amino)acetyl]pyrrolidine-2-carboxylic acid, N-{1-(N-{2-[(2-{[2-Amino-1-hydroxy-4-(methylsulfanyl)butylidene]amino}-4-carboxy-1-hydroxybutylidene)amino]-1-hydroxy-3-(1H-imidazol-5-yl)propylidene}phenylalanyl)pyrrolidin-2-yl)methylidene}glycylproline)

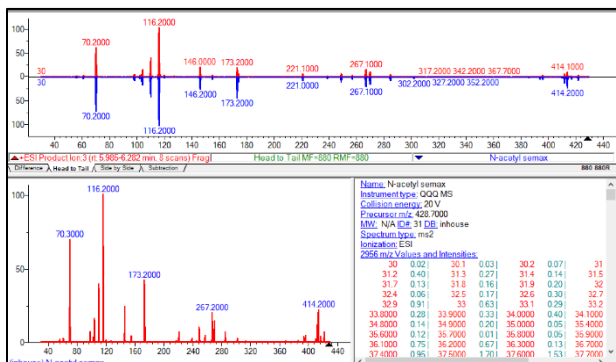
### Data

#### Mass Spectrum



*\*\*unmodified SEMAX not detected in mass spectrum across chromatogram*

#### MSMS ID



Expected Mass: 855.3

Observed Mass: 855.3

Reviewed and Approved By:

*Herman Lelie*

Herman Lelie Ph.D Director of R&D