

**Client:** Justin Tanger (NHNootropics)  
**Sample Name:** N-Acetyl SEMAX amidate  
**Lot#:** AT4  
**Report Date:** 8/12/2024  
**Test:** Identity

**Receipt Date:** 8/5/2024  
**Analysis Date:** 8/12/2024

**Matrix:** Powder  
**Number of samples:** 1

## Certificate of Analysis

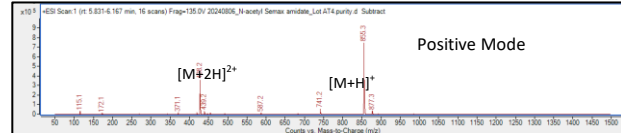
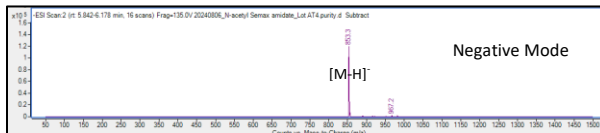
### Test Screen

**Identity:** N-Acetyl SEMAX amidate

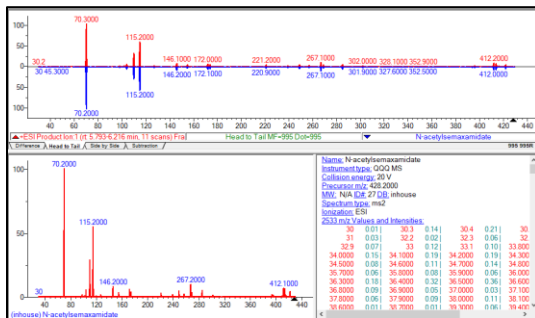
(Other names: N-Acetyl-L-Methionyl-L-alpha-glutamylhistidyl-L-phenylalanyl-L-prolyl-glycyl-L-prolinamid, Acetyl-(2S)-1-[2-([(2S)-1-[(2S)-2-([(2S)-2-([(2S)-2-amino-4-methylsulfanylbutanoyl]amino)-5-hydroxy-5-oxopentanoyl]amino)-3-(1H-imidazol-5-yl)propanoyl]amino)-3-phenylpropanoyl]pyrrolidine-2-carbonyl]amino)acetyl]pyrrolidine-2-carboxamide, 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-ylmethylidene}glycylproline)

### Data

#### Mass Spectrum



#### MSMS ID



Expected Mass: 854.3 (g/mol)

Observed Mass: 854.3 (g/mol)

Reviewed and Approved By:

*Herman Lelie*

Herman Lelie Ph.D Director of R&D