

Analytical Data Sheet

Lot number

2000182

not for drug use

Catalog number

H-8675

Product

Systemin
H-Ala-Val-Gln-Ser-Lys-Pro-Pro-Ser-Lys-Arg-Asp-
Pro-Pro-Lys-Met-Gln-Thr-Asp-OH

Molecular formula

C₈₅ H₁₄₄ N₂₆ O₂₈ S₁

Relative molecular mass

2010.3

Tests	Results																																	
Appearance	White powder																																	
Solubility	At least 1 mg/ml in 0.1% TFA in H ₂ O with agitation																																	
Purity	>90 % by reverse phase HPLC																																	
Peptide Content	77%																																	
Mass Analysis	As expected																																	
Amino Acid Analysis	<table border="1"> <thead> <tr> <th></th> <th>Expected</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>Asx</td> <td>2</td> <td>2.00</td> </tr> <tr> <td>Threonine (Thr)</td> <td>1</td> <td>0.88</td> </tr> <tr> <td>Serine (Ser)</td> <td>2</td> <td>1.36</td> </tr> <tr> <td>Glx</td> <td>2</td> <td>1.99</td> </tr> <tr> <td>Proline (Pro)</td> <td>4</td> <td>3.95</td> </tr> <tr> <td>Alanine (Ala)</td> <td>1</td> <td>0.98</td> </tr> <tr> <td>Valine (Val)</td> <td>1</td> <td>0.86</td> </tr> <tr> <td>Methionine (Met)</td> <td>1</td> <td>0.20</td> </tr> <tr> <td>Lysine (Lys)</td> <td>3</td> <td>2.97</td> </tr> <tr> <td>Arginine (Arg)</td> <td>1</td> <td>0.90</td> </tr> </tbody> </table>		Expected	Found	Asx	2	2.00	Threonine (Thr)	1	0.88	Serine (Ser)	2	1.36	Glx	2	1.99	Proline (Pro)	4	3.95	Alanine (Ala)	1	0.98	Valine (Val)	1	0.86	Methionine (Met)	1	0.20	Lysine (Lys)	3	2.97	Arginine (Arg)	1	0.90
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Latest update: July 19, 2000	<p>Analytical Data Sheet</p> <p>Lot number 2000182</p>																																	