

Analytical Data Sheet

Lot number	2500216 not for drug use
Catalog number	H-3204
Product	Biotinyl-(Leu⁸,D-Trp²², Tyr²⁵)-Somatostatin-28 Biotinyl-Ser-Ala-Asn-Ser-Asn-Pro-Ala-Leu-Ala-Pro-Arg-Glu-Arg-Lys-Ala-Gly-Cys-Lys-Asn-Phe-Phe-D-Trp-Lys-Thr-Tyr-Thr-Ser-Cys-OH (Disulfide bond)
Molecular formula	C ₁₄₈ H ₂₂₃ N ₄₃ O ₄₂ S ₃
Relative molecular mass	3372.86

Tests	Results																																										
Appearance	White powder																																										
Peptide content	78.54% (± 3%)																																										
Peptide purity	>97%																																										
Comments	Product supplied as a trifluoroacetate salt																																										
FAB mass spectral analysis	Exhibits correct molecular ion.																																										
Amino acid analysis	<table border="0"> <tr><td>Asx</td><td>2.99</td><td>(3)</td></tr> <tr><td>Thr*</td><td>2.04</td><td>(2)</td></tr> <tr><td>Ser*</td><td>2.68</td><td>(3)</td></tr> <tr><td>Glx</td><td>0.95</td><td>(1)</td></tr> <tr><td>Pro</td><td>2.37</td><td>(2)</td></tr> <tr><td>Gly</td><td>0.99</td><td>(1)</td></tr> <tr><td>Ala</td><td>3.89</td><td>(4)</td></tr> <tr><td>Cys*</td><td>0.77</td><td>(2)</td></tr> <tr><td>Leu</td><td>0.96</td><td>(1)</td></tr> <tr><td>Tyr</td><td>1.06</td><td>(1)</td></tr> <tr><td>Phe</td><td>2.08</td><td>(2)</td></tr> <tr><td>Lys</td><td>3.14</td><td>(3)</td></tr> <tr><td>Arg</td><td>1.96</td><td>(2)</td></tr> <tr><td>Trp*</td><td>0.50</td><td>(1)</td></tr> </table> <p>*May be partially destroyed during acid hydrolysis</p>	Asx	2.99	(3)	Thr*	2.04	(2)	Ser*	2.68	(3)	Glx	0.95	(1)	Pro	2.37	(2)	Gly	0.99	(1)	Ala	3.89	(4)	Cys*	0.77	(2)	Leu	0.96	(1)	Tyr	1.06	(1)	Phe	2.08	(2)	Lys	3.14	(3)	Arg	1.96	(2)	Trp*	0.50	(1)
Asx	2.99	(3)																																									
Thr*	2.04	(2)																																									
Ser*	2.68	(3)																																									
Glx	0.95	(1)																																									
Pro	2.37	(2)																																									
Gly	0.99	(1)																																									
Ala	3.89	(4)																																									
Cys*	0.77	(2)																																									
Leu	0.96	(1)																																									
Tyr	1.06	(1)																																									
Phe	2.08	(2)																																									
Lys	3.14	(3)																																									
Arg	1.96	(2)																																									
Trp*	0.50	(1)																																									
Latest update: April 28, 1994	Analytical Data Sheet Lot number 2500216																																										