

Analytical Data Sheet

Lot number

7001273
not for drug use

Product number

H-3076

Product

Calcitonin N-Terminal Flanking Peptide (human)

H-Ala-Pro-Phe-Arg-Ser-Ala-Leu-Glu-Ser-Ser-Pro-Ala-Asp-Pro-Ala-Thr-Leu-Ser-Glu-Asp-Glu-Ala-Arg-Leu-Leu-Leu-Ala-Ala-Leu-Val-Gln-Asp-Tyr-Val-Gln-Met-Lys-Ala-Ser-Glu-Leu-Glu-Gln-Glu-Gln-Glu-Arg-Glu-Gly-Ser-Ser-Leu-Asp-Ser-Pro-Arg-Ser-OH

Molecular formula

C₂₆₄H₄₂₆N₇₄O₉₇S₁

Relative molecular mass

6220.8

Tests	Results																																										
Appearance	White powder																																										
Salt form	Trifluoroacetate																																										
Identification (ESI-MS)	6220.3 Da (average mass)																																										
Solubility	Clear and colorless solution at 1 mg/mL in 0.1% TFA																																										
Amino acid analysis	<table> <tr><td>Asx</td><td>3.9</td><td>(4)</td></tr> <tr><td>Thr</td><td>1.0</td><td>(1)</td></tr> <tr><td>Ser*</td><td>7.7</td><td>(9)</td></tr> <tr><td>Glx</td><td>12.4</td><td>(12)</td></tr> <tr><td>Pro</td><td>4.1</td><td>(4)</td></tr> <tr><td>Gly</td><td>1.0</td><td>(1)</td></tr> <tr><td>Ala</td><td>7.8</td><td>(8)</td></tr> <tr><td>Val</td><td>2.0</td><td>(2)</td></tr> <tr><td>Met</td><td>detected</td><td>(1)</td></tr> <tr><td>Leu</td><td>7.7</td><td>(8)</td></tr> <tr><td>Tyr</td><td>1.0</td><td>(1)</td></tr> <tr><td>Phe</td><td>1.0</td><td>(1)</td></tr> <tr><td>Lys</td><td>1.0</td><td>(1)</td></tr> <tr><td>Arg</td><td>4.2</td><td>(4)</td></tr> </table> <p>*May be partially destroyed during acid hydrolysis.</p>	Asx	3.9	(4)	Thr	1.0	(1)	Ser*	7.7	(9)	Glx	12.4	(12)	Pro	4.1	(4)	Gly	1.0	(1)	Ala	7.8	(8)	Val	2.0	(2)	Met	detected	(1)	Leu	7.7	(8)	Tyr	1.0	(1)	Phe	1.0	(1)	Lys	1.0	(1)	Arg	4.2	(4)
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Arg	4.2	(4)																																									
Purity (HPLC)	≥ 98%																																										
Peptide content	83.9%																																										
Latest update: August 26, 2013	Analytical Data Sheet Lot number 7001273																																										