

Analytical Data Sheet

Lot number

1024350

not for drug use

Catalog Number

H-2214.0005

Product number

4025810.0005

Product

(Des- Cys¹, cyclo(Ser²- Asu⁷)) - Calcitonin (eel) acetate salt

Cyclo(- Ser- Asn- Leu- Ser- Thr- Asu) - Val- Leu- Gly- Lys- Leu- Ser- Gln- Glu- Leu- His- Lys- Leu- Gln- Thr- Tyr- Pro- Arg- Thr- Asp- Val- Gly- Ala- Gly- Thr- Pro- NH₂ acetate salt

Molecular formula

C₁₄₈H₂₄₄N₄₂O₄₇

Relative molecular mass

3363.82

Tests	Results															
Appearance	white product															
Identification (ESI-MS)	m = 3363.4u															
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 49.39 %</td> <td>C = 49.32 %</td> </tr> <tr> <td>H = 7.50 %</td> <td>H = 7.31 %</td> </tr> <tr> <td>N = 15.79 %</td> <td>N = 15.86 %</td> </tr> </table> <p>calc. as 2.6 AcOH (4.2 %) x 11.4 H₂O (5.5 %)</p>	Theory	Found	C = 49.39 %	C = 49.32 %	H = 7.50 %	H = 7.31 %	N = 15.79 %	N = 15.86 %							
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Amino acid analysis	<table border="0"> <tr> <td>Asx 2.22 (2)</td> <td>Gly 3.17 (3)</td> <td>His 0.91 (1)</td> </tr> <tr> <td>Thr 3.72 (4)</td> <td>Ala 1.23 (1)</td> <td>Lys 1.74 (2)</td> </tr> <tr> <td>Ser 2.42 (3)</td> <td>Val 1.69 (2)</td> <td>Arg 1.03 (1)</td> </tr> <tr> <td>Glx 3.00 (3)</td> <td>Leu 4.83 (5)</td> <td></td> </tr> <tr> <td>Pro 2.03 (2)</td> <td>Tyr 1.12 (1)</td> <td></td> </tr> </table>	Asx 2.22 (2)	Gly 3.17 (3)	His 0.91 (1)	Thr 3.72 (4)	Ala 1.23 (1)	Lys 1.74 (2)	Ser 2.42 (3)	Val 1.69 (2)	Arg 1.03 (1)	Glx 3.00 (3)	Leu 4.83 (5)		Pro 2.03 (2)	Tyr 1.12 (1)	
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Solubility	soluble in acetic acid															
Purity (HPLC)	99.9% (TFA) 99.7% (TEAP) 99.4% (NaClO ₄)															
Assay (elemental analysis)	90.7% (Nth 17.49 %, Nfd 15.86 %)															
Water content (KF volumetric)	5.6%															
Latest update: June 05, 2009	Analytical Data Sheet Lot number 1024350															