

## Analytical Data Sheet

Lot number	<b>7000202</b> not for drug use
Catalog number	H-7450
Product number	4030645.1000
Product	<b>Galanin (mouse, rat)</b> H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-His-Ala-Ile-Asp-Asn-His-Arg-Ser-Phe-Ser-Asp-Lys-His-Gly-Leu-Thr-NH <sub>2</sub>
Molecular formula	C <sub>141</sub> H <sub>211</sub> N <sub>43</sub> O <sub>41</sub>
Relative molecular mass	3164.5

Tests	Results																																										
Appearance	White lyophilized powder																																										
Peptide content	79.1%																																										
Purity (HPLC)	≥98%																																										
Solubility	1 mg/ml in H <sub>2</sub> O																																										
Identity (ESI-MS)	3164.2																																										
Amino acid analysis	<table> <tr><td>Ala</td><td>2.1</td><td>(2)</td></tr> <tr><td>Arg</td><td>1.0</td><td>(1)</td></tr> <tr><td>Asx</td><td>4.1</td><td>(4)</td></tr> <tr><td>Gly</td><td>4.0</td><td>(4)</td></tr> <tr><td>His</td><td>2.8</td><td>(3)</td></tr> <tr><td>Ile</td><td>0.9</td><td>(1)</td></tr> <tr><td>Leu</td><td>4.2</td><td>(4)</td></tr> <tr><td>Lys</td><td>1.0</td><td>(1)</td></tr> <tr><td>Phe</td><td>1.0</td><td>(1)</td></tr> <tr><td>Pro</td><td>0.9</td><td>(1)</td></tr> <tr><td>Ser*</td><td>2.7</td><td>(3)</td></tr> <tr><td>Thr</td><td>1.9</td><td>(2)</td></tr> <tr><td>Trp*</td><td>0.6</td><td>(1)</td></tr> <tr><td>Tyr</td><td>1.0</td><td>(1)</td></tr> </table>	Ala	2.1	(2)	Arg	1.0	(1)	Asx	4.1	(4)	Gly	4.0	(4)	His	2.8	(3)	Ile	0.9	(1)	Leu	4.2	(4)	Lys	1.0	(1)	Phe	1.0	(1)	Pro	0.9	(1)	Ser*	2.7	(3)	Thr	1.9	(2)	Trp*	0.6	(1)	Tyr	1.0	(1)
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\*May be partially destroyed during acid hydrolysis