

## Analytical Data Sheet

<b>Lot number</b>	<b>1000035200</b> not for drug use
<b>Product</b>	<b>([<sup>13</sup>C<sub>6</sub>]-Leu<sup>14</sup>)-Glucagon (1-29) (human, rat, porcine) trifluoroacetate salt</b> H-His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-[ <sup>13</sup> C <sub>6</sub> ]-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Trp-Leu-Met-Asn-Thr-OH trifluoroacetate salt
<b>Product number</b>	<b>4072022.0500</b>
<b>Molecular formula</b>	C <sub>147</sub> <sup>13</sup> C <sub>6</sub> H <sub>225</sub> N <sub>43</sub> O <sub>49</sub> S
<b>Relative molecular mass</b>	3488.73

Tests	Results																																
<b>Appearance</b>	white powder																																
<b>Identification (MALDI-MS)</b>	3488.62																																
<b>Amino acid analysis</b>	<table> <tr> <td>Asx</td> <td>4.16 (4)</td> <td>Met*</td> <td>0.76 (1)</td> </tr> <tr> <td>Thr</td> <td>2.80 (3)</td> <td>Leu</td> <td>1.84 (2)</td> </tr> <tr> <td>Ser*</td> <td>3.29 (4)</td> <td>Tyr</td> <td>1.84 (2)</td> </tr> <tr> <td>Glx</td> <td>3.02 (3)</td> <td>Phe</td> <td>1.84 (2)</td> </tr> <tr> <td>Gly</td> <td>1.04 (1)</td> <td>His</td> <td>1.06 (1)</td> </tr> <tr> <td>Ala</td> <td>1.03 (1)</td> <td>Lys</td> <td>1.08 (1)</td> </tr> <tr> <td>Val</td> <td>1.00 (1)</td> <td>Trp*</td> <td>0.38 (1)</td> </tr> <tr> <td></td> <td></td> <td>Arg</td> <td>2.08 (2)</td> </tr> </table>	Asx	4.16 (4)	Met*	0.76 (1)	Thr	2.80 (3)	Leu	1.84 (2)	Ser*	3.29 (4)	Tyr	1.84 (2)	Glx	3.02 (3)	Phe	1.84 (2)	Gly	1.04 (1)	His	1.06 (1)	Ala	1.03 (1)	Lys	1.08 (1)	Val	1.00 (1)	Trp*	0.38 (1)			Arg	2.08 (2)
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<b>Solubility</b>	soluble in water at 1 mg/mL																																
<b>Purity (HPLC)</b>	97.5%																																
<b>Assay (AAA)</b>	87.3%																																