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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Des 1-12 Glucagon**

**Identification:**

Chemical Name: (2S,5S,8S,11S,14S,17S,20S,23S,26S,29S,32S,35S,38S,41S,44S)-14-((1H-indol-3-yl)methyl)-5-(2-amino-2-oxoethyl)-44-((S)-2-((S)-2-amino-3-(4-hydroxyphenyl)propanamido)-4-methylpentanamido)-17,29-bis(3-amino-3-oxopropyl)-23-benzyl-26-(carboxymethyl)-35,38-bis(3-guanidinopropyl)-2-((R)-1-hydroxyethyl)-41-(hydroxymethyl)-11-isobutyl-20-isopropyl-32-methyl-8-(2-(methylthio)ethyl)-4,7,10,13,16,19,22,25,28,31,34,37,40,43-tetradecaoxo-3,6,9,12,15,18,21,24,27,30,33,36,39,42-tetradecaazahexatetracontanedioic acid

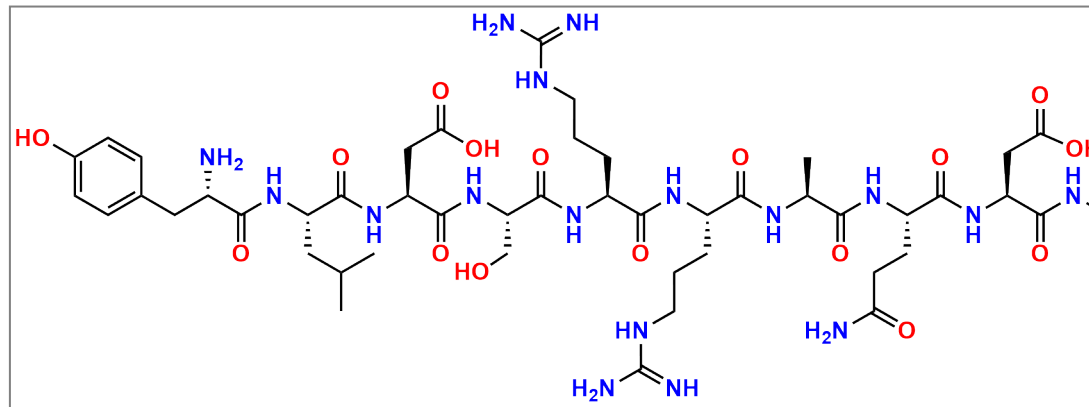
Synonyms : NA

CAS Number : 51352-39-7

CAT Number : CP-G38003

Molecular Formula : C<sub>95</sub>H<sub>143</sub>N<sub>27</sub>O<sub>28</sub>S

Molecular Weight : 2143.4



**Analytical Information:**

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure

**Prepared and Reviewed By**

**Approved By**



Ms Priyanka Salunkhe  
(Manager QC Analytical)

Ms Rohini Gagare  
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.