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CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

Product Name: Glu 20-Glucagon

Identification:

Chemical Name: (2S,5S,8S,11S,14S,17S,20S,23S,26S,29S,32S,35S,38S,41S,44S,47S,50S,53S,56S,59S,62S)-14-((1H-indol-3-yl)methyl)-62-((2S,5S,8S,11S,17S,20S,23S)-23-amino-17-(3-amino-3-oxopropyl)-8-benzyl-5,11-bis((R)-1-hydroxyethyl)-2,20-bis(hydroxymethyl)-24-(1H-imidazol-5-yl)-4,7,10,13,16,19,22-heptaaxo-3,6,9,12,15,18,21-heptaazatetracosanamido)-5-(2-amino-2-oxoethyl)-17-(3-amino-3-oxopropyl)-53-(4-aminobutyl)-23-benzyl-29-(2-carboxyethyl)-26,44-bis(carboxymethyl)-35,38-bis(3-guanidinopropyl)-50,59-bis(4-hydroxybenzyl)-2-((R)-1-hydroxyethyl)-41,56-bis(hydroxymethyl)-11,47-diisobutyl-20-isopropyl-32-methyl-8-(2-(methylthio)ethyl)-4,7,10,13,16,19,22,25,28,31,34,37,40,43,46,49,52,55,58,61-icosaoxo-3,6,9,12,15,18,21,24,27,30,33,36,39,42,45,48,51,54,57,60-icosazaatetrahexacontanedioic acid

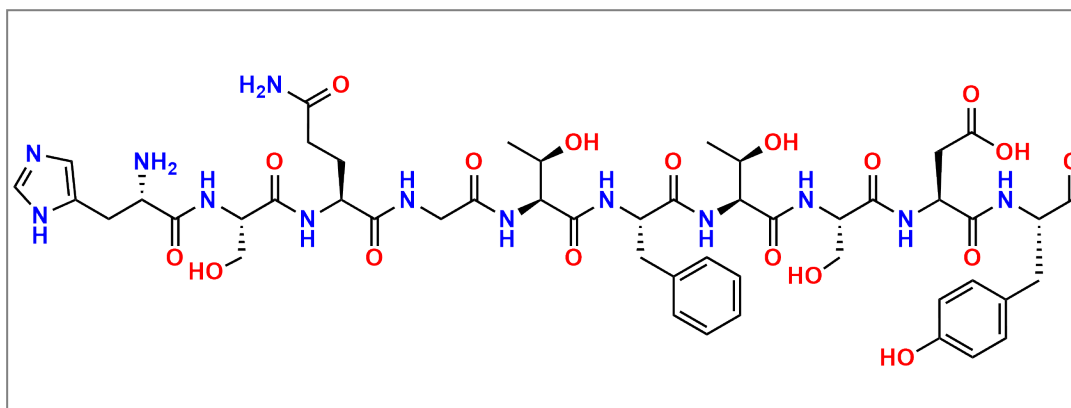
Synonyms : NA

CAS Number : 2022956-46-1

CAT Number : CP-G38004

Molecular Formula : C153H224N42O50S

Molecular Weight : 3483.8



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

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

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