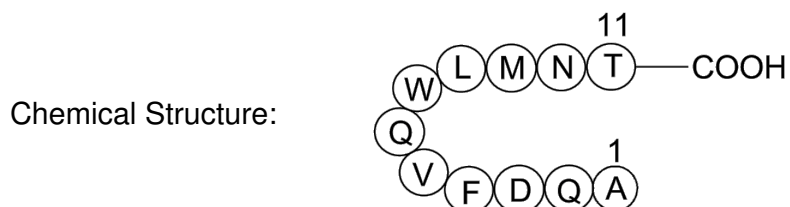


Certificate of Analysis

Product Name: Glucagon (19-29), human
Cat. No.: GP10122
Batch No.: 1
Chemical Name: Glucagon (19-29), human

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 64790-15-4
Molecular Formula: $C_{61}H_{89}N_{15}O_{18}S$
Molecular Weight: 1352.51
Storage: Store at $-20^{\circ}C$



ANALYTICAL DATA

Appearance: A solid
HNMR: Consistent with structure
HPLC: Consistent with structure
Purity: >98.50%
Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA