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## Certificate of Analysis

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Product Name: ZIP, Biotinylated

Cat. No.: GC16510

Batch No.: 1

Chemical Name: (2S,3Z,5S,6Z,8S,9Z,11S,12Z,14S,15Z,17S,18Z,20S,21Z,24Z,26S,27Z,29S,30Z,32S,33Z,35S,36Z,38S,39Z)-11-((1H-indol-3-yl)methyl)-35-((S)-sec-butyl)-8,14,17,26,29-pentakis(3-guanidinopropyl)-4,7,10,13,16,19,22,25,28,31,34,37,40-tridecahydroxy-5-(4-((Z)-(1-hydrox

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.:

Molecular Formula:  $C_{100}H_{168}N_{32}O_{19}S$

Molecular Weight: 2154.69

Storage: Store at -20°C

Chemical Structure:

### ANALYTICAL DATA

Appearance: solid

HNMR: Consistent with structure

HPLC: Consistent with structure

Purity: >98%

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