

---

**Certificate of Analysis**

---

Product Name: JIP-1 (153-163)  
Cat. No.: GC13724  
Batch No.: 1  
Chemical Name: (S,Z)-2-((Z)-((S)-2-((Z)-((2S,3R)-2-((Z)-((2S,3R)-2-((Z)-(((S)-1-((S)-2-((Z)-((S)-6-amino-2-((Z)-(((S)-1-((S)-2-amino-5-guanidinopentanoyl)pyrrolidin-2-yl)(hydroxy)methylene)amino)-1-hydroxyhexylidene)amino)-5-guanidinopentanoyl)pyrrolidin-2-yl)(hydroxy)m

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 438567-88-5  
Molecular Formula:  $C_{61}H_{104}N_{20}O_{14}$   
Molecular Weight: 1341.60  
Storage: Desiccate 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