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**Certificate of Analysis**

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Product Name: RETF-4NA  
Cat. No.: GC13077  
Batch No.: 1  
Chemical Name: (S,Z)-5-(((2S,3R,Z)-1,3-dihydroxy-1-(((S)-1-((4-nitrophenyl)amino)-1-oxo-3-phenylpropan-2-yl)imino)butan-2-yl)imino)-4-((Z)-((S)-5-guanidino-1-hydroxy-2-((Z)-(1-hydroxyethylidene)amino)pentylidene)amino)-5-hydroxypentanoic acid

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 1160928-63-1  
Molecular Formula: C<sub>32</sub>H<sub>43</sub>N<sub>9</sub>O<sub>10</sub>  
Molecular Weight: 713.75  
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