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**Certificate of Analysis**

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Product Name: Rac1 Inhibitor F56, control peptide  
Cat. No.: GC15376  
Batch No.: 1  
Chemical Name: 1-(1-(5-amino-17-(4-aminobutyl)-11-(carboxymethyl)-8-isopropyl-6,9,12,15-tetraoxo-2-thia-7,10,13,16-tetraazaocadecan-18-oyl)pyrrolidin-2-yl)-6-(2-amino-2-oxoethyl)-18-benzyl-21-(carboxymethyl)-24-(1-hydroxyethyl)-9,15-diisobutyl-3-isopropyl-27-methyl-1,4

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 1315378-77-8  
Molecular Formula:  $C_{72}H_{116}N_{18}O_{23}S$   
Molecular Weight: 1632.89  
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.**

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