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**Certificate of Analysis**

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Product Name: Biotin-XX Tyramide Reagent  
Cat. No.: GC12033  
Batch No.: 1  
Chemical Name: N-(4-hydroxyphenethyl)-6-(6-(5-((3aS,4S,6aR)-2-oxohexahydro-1H-thieno[3,4-d]imidazol-4-yl)pentanamido)hexanamido)hexanamide

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.:  
Molecular Formula:  $C_{30}H_{47}N_5O_5S$   
Molecular Weight: 589.79  
Storage: Store at  $-20^{\circ}C$   
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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