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**Certificate of Analysis**

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Product Name: [Orn5]-URP  
Cat. No.: GC11948  
Batch No.: 1  
Chemical Name: (S)-2-((Z)-(((4R,5Z,7S,8Z,10S,11Z,13S,14Z,16S,17Z,19R)-13-((1H-indol-3-yl)methyl)-19-((Z)-((R)-2-amino-1-hydroxypropylidene)amino)-10-(3-aminopropyl)-16-benzyl-6,9,12,15,18-pentahydroxy-7-(4-hydroxybenzyl)-1,2-dithia-5,8,11,14,17-pentaazacycloicosa-5,8,11

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 782485-03-4  
Molecular Formula: C<sub>48</sub>H<sub>62</sub>N<sub>10</sub>O<sub>10</sub>S<sub>2</sub>  
Molecular Weight: 1003.2  
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.**

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