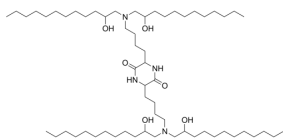


Certificate of Analysis

Product Name: CKK-E12
Cat. No.: CS-0149249
CAS No.: 1432494-65-9
Batch No.: 228143
Chemical Name: 2,5-Piperazinedione, 3,6-bis[4-[bis(2-hydroxydodecyl)amino]butyl]-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₆₀H₁₂₀N₄O₆
Molecular Weight: 993.62
Storage: Storage temp. 2-8°C
Chemical Structure:



ANALYTICAL DATA

Appearance: Colorless to light yellow (Liquid)
¹H NMR Spectrum: Consistent with structure
Purity (NMR): ≥98.0%
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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