

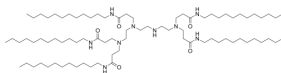
## 98N12-5

Cat. No.: HY-112772A  
CAS No.: 917572-74-8  
Batch No.: 238396  
Chemical Name: 4,7,10,13-Tetraazahexadecanediamide, N1,N16-didodecyl-4,7,13-tris[3-(dodecylamino)-3-oxopropyl]-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{81}H_{163}N_9O_5$   
Molecular Weight: 1343.22  
Storage: Powder -20°C 3 years  
In solvent -80°C 6 months  
-20°C 1 month

Chemical Structure:



### ANALYTICAL DATA

Appearance: Off-white to light yellow (Solid)  
<sup>1</sup>H 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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