

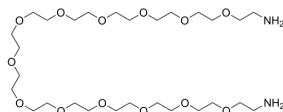
## Amino-PEG13-amine

Cat. No.: HY-133328  
 CAS No.: 1228119-65-0  
 Batch No.: 120025  
 Chemical Name: 3,6,9,12,15,18,21,24,27,30,33,36,39-Tridecaoxahentetracontane-1,41-diamine

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{28}H_{60}N_2O_{13}$   
 Molecular Weight: 632.78  
 Storage: Powder -20°C 3 years  
 In solvent -80°C 6 months  
 -20°C 1 month

Chemical Structure:



### ANALYTICAL DATA

Appearance: White to yellow (Solid)  
 $^1H$  NMR Spectrum: Consistent with structure  
 MS: Consistent with structure  
 Purity (NMR):  $\geq 95.0\%$   
 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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