

Certificate of Analysis

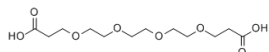
Product Name: Bis-PEG4-acid
Cat. No.: HY-119429
CAS No.: 31127-85-2
Batch No.: 39243
Chemical Name: 4,7,10,13-Tetraoxahexadecanedioic acid

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₁₂H₂₂O₈
Molecular Weight: 294.30
Storage:

Pure form	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance: Colorless to light yellow (Oil)
¹H NMR Spectrum: Consistent with structure
MS: 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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