Certificate of Analysis

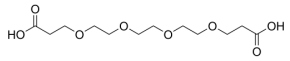
Bis-PEG4-acid

Cat. No.:	HY-119429
CAS No.:	31127-85-2
Batch No.:	445988
Chemical Name:	4,7,10,13-Tetraoxahexadecanedioic acid

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{12}H_{22}O_8$		
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 off-white (Solid-Liquid Mixture)
^{1}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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