Certificate of Analysis

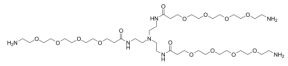
Tri(Amino-PEG4-amide)-amine

Cat. No.:	HY-140250
Batch No.:	81753
Chemical Name:	N,N',N''-(Nitrilotris(ethane-2,1-diyl))tris(1-amino-3,6,9,12-tetraoxapentadecan-15-amide)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{39}H_{81}N_7O_{15}$		
Molecular Weight:	888.10		
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:	Light yellow to yellow (Oil)
^{1}H NMR Spectrum:	Consistent with structure
MS:	Consistent with structure
Purity (NMR):	≥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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