Certificate of Analysis

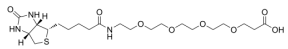
Biotin-PEG4-acid

Cat. No.:	HY-126959
CAS No.:	721431-18-1
Batch No.:	244144
Chemical Name:	4,7,10,13-Tetraoxa-16-azaheneicosanoic acid, 21-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-17-oxo-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{21}H_{37}N_3O_8S$		
Molecular Weight:	**491.60**		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
^{1}H NMR Spectrum:	Consistent with structure
Purity (NMR):	**≥97.0%**
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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