Certificate of Analysis

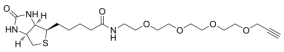
Biotin-PEG4-alkyne

Cat. No.:	HY-140922
CAS No.:	1458576-00-5
Batch No.:	117978
Chemical Name:	1H-Thieno[3,4-d]imidazole-4-pentanamide, hexahydro-2-oxo-N-3,6,9,12-tetraoxapentadec-14-yn-1-yl-, (3aR,4R,6aS)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{21}H_{35}N_3O_6S$		
Molecular Weight:	**457.58**		
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:	Off-white to light yellow (Solid)
^{1}H NMR Spectrum:	Consistent with structure
LCMS:	Consistent with structure
Purity (LCMS):	**98.88%**
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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