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# Certificate of Analysis

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## Biotin-OVA (323-339)

Cat. No.:	HY-P0286F
Batch No.:	401604
Chemical Name:	(2S,8S,11S,14S,17S,20S)-14-(2-Amino-2-oxoethyl)-20-((2S,5S,8S,11S,14S,17S,20S,23S,26S,29S)-5
	,14-bis((1H-imidazol-4-yl)methyl)-23-(3-amino-3-oxopropyl)-29-((S)-sec-butyl)-26-(hydroxymeth
	yl)-17-isopropyl-2,8,11,20-tetramethyl-4,7,10,13,16,19,22,25,28,31-decaoxo-35-((3aS,4S,6aR)-2-
	oxohexahydro-1H-thieno[3,4-d]imidazol-4-yl)-3,6,9,12,15,18,21,24,27,30-decaazapentatriaconta
	namido)-17-((S)-sec-butyl)-11-(2-carboxyethyl)-2-(3-guanidinopropyl)-8-methyl-4,7,10,13,16,19-
	hexaoxo-3,6,9,12,15,18-hexaazatricosane-1,23-dioic acid

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{84}H_{134}N_{28}O_{27}S$		
Molecular Weight:	2000.20		
Storage:	Sealed storage, away from moisture		
	Powder	-80°C	2 years
		-20°C	1 year
	* In solvent : -80°	C, 6 montł	ns; -20°C, 1 month (sealed storage, away from moisture)

**Chemical Structure:** 

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### ANALYTICAL DATA

Appearance:	White to off-white (Solid)
MS:	Consistent with structure
Purity (HPLC):	98.28%
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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