Certificate of Analysis

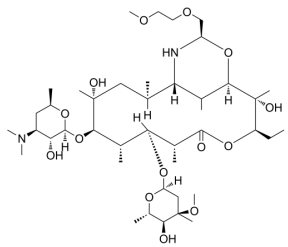
Dirithromycin

Cat. No.:	HY-B0643
CAS No.:	62013-04-1
Batch No.:	16990
Chemical Name:	4,16-Dioxa-14-azabicyclo[11.3.1]heptadecan-5-one, 7-[(2,6-dideoxy-3-C-methyl-3-O-methyl-α-L-ribo-hexopyranosyl)oxy]-3-ethyl-2,10-dihydroxy-15-[(2-methoxyethoxy)methyl]-2,6,8,10,12,17-hexamethyl-9-[[3,4,6-trideoxy-3-(dimethylamino)-β-D-xylo-hexopyranosyl]oxy]-, (1R,2R,3R,6R,7S,8S,9R,10R,12R,13S,15R,17S)-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{42}H_{78}N_2O_{14}$		
Molecular Weight:	**835.07**		
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):	**≥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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