

YM 133

Chemical Properties

CAS No. :	103360-00-5
Formula:	C55H85NO19
Molecular Weight:	1064.27
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	YM 133 (IMC-XV) is a semi-synthetic macrolide antibiotic with potent bactericidal activity. It is effective against strains of staphylococci, streptococci, Bacteroides, and Clostridia that are resistant to erythromycin, josamycin, and rokitamycin (MIC \geq 100 μ g/mL). Additionally, YM 133 exhibits excellent activity against macrolide-resistant strains and anaerobic bacteria, making it valuable for antibacterial research.
Targets(IC50)	Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9396 mL	4.6981 mL	9.3961 mL
5 mM	0.1879 mL	0.9396 mL	1.8792 mL
10 mM	0.094 mL	0.4698 mL	0.9396 mL
50 mM	0.0188 mL	0.094 mL	0.1879 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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