

## Concanamycin C

## Chemical Properties

CAS No. :	81552-34-3
Formula:	C <sub>45</sub> H <sub>74</sub> O <sub>13</sub>
Molecular Weight:	823.1
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	Concanamycin C, a natural macrolide antibiotic, was initially isolated from <i>Streptomyces</i> and identified as an inhibitor of T-cell proliferation in response to concanavalin A (1,2). It exhibits cytotoxicity to fungi, including yeasts, by inhibiting vacuolar-type ATPases (3,4).
Targets(IC50)	Others,Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2149 mL	6.0746 mL	12.1492 mL
5 mM	0.243 mL	1.2149 mL	2.4298 mL
10 mM	0.1215 mL	0.6075 mL	1.2149 mL
50 mM	0.0243 mL	0.1215 mL	0.243 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.

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