

Albomycin  $\delta$ 2

## Chemical Properties

CAS No. :	34755-52-7
Formula:	C37H57FeN12O18S
Molecular Weight:	1045.83
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	Albomycin $\delta$ 2 is an iron-carrier-antibiotic conjugate that targets bacterial ribosomes (MIC for <i>S. pneumoniae</i> : 0.0625 $\mu$ g/mL; IC50 for MRSA: 0.125 $\mu$ g/mL). It holds potential for research on infections caused by <i>Streptococcus pneumoniae</i> and <i>Staphylococcus aureus</i> .
Targets(IC50)	Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9562 mL	4.7809 mL	9.5618 mL
5 mM	0.1912 mL	0.9562 mL	1.9124 mL
10 mM	0.0956 mL	0.4781 mL	0.9562 mL
50 mM	0.0191 mL	0.0956 mL	0.1912 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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