

## Manumycin A

Cat. No. CEI-0480

Lot. No. (See product label)

### Introduction

#### Description

An antibiotic isolated from *Streptomyces parvulus*. A potent, selective and competitive cell permeable farnesyltransferase (FTase) inhibitor ( $IC_{50} = 30$  nM). Does not affect geranylgeranyltransferase (GGTase) ( $IC_{50} = 180$   $\mu$ M). Blocks insulin-induced MAP kinase activation in rat cardiac myocytes (19  $\mu$ M). Inhibition is competitive with respect to farnesyl pyrophosphate and non-competitive with respect to Ras.

#### Synonyms

NSC-622141; UFC 1C

### Product Information

<b>Appearance</b>	Off-white solid
<b>CAS No.</b>	52665-74-4
<b>Molecular Formula</b>	C <sub>31</sub> H <sub>38</sub> N <sub>2</sub> O
<b>Molecular Weight</b>	302.78
<b>Purity</b>	>90% by NMR
<b>Targets</b>	FNTB
<b>Solubility</b>	DMSO (100 mM)

### Storage and Shipping Information

<b>Storage</b>	-20 centigrade
<b>Shipping Conditions</b>	Gel pack