

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 rasfarnesyltransferase (FTase) inhibitor ($IC_{50} = 30$ nM). Does not affect geranylgeranyltransferase (GGTase) ($IC_{50} = 180$ μ M). Blocks insulin-induced MAP kinase activation in rat cardiac myocytes (19 μ M). Inhibition is competitive with respect to farnesyl pyrophosphate and non-competitive with respect to Ras.

Synonyms NSC-622141; UFC 1C

Product Information

Appearance Off-white solid

CAS No. 52665-74-4

Molecular Formula C₃₁ H₃₈ N₂ O

Molecular Weight 302.78

Purity >90% by NMR

Targets FNTB

Solubility DMSO (100 mM)

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions Gel pack