

Leptomycin B

Cat. No. CEI-0451

Lot. No. (See product label)

Introduction

Description

A potent, specific inhibitor of nuclear export signal (NES)-dependent protein export from the nucleus. It alkylates and inhibits CRM1 (chromosomal region maintenance)/exportin 1(XPO1), a protein required for nuclear export of proteins containing a nuclear export sequence. At low nM concentrations, Leptomycin B blocks the nuclear export of many proteins including HIV-1 Rev, MAPK/ERK, and NF-κB/IκB, and it stabilizes the expression of p53.

Synonyms

LMB; Elactocin; Mantuamycin; CI-940; CL-1957A; PD-114720; ATS 1287B

Product Information

Appearance

White to yellowish solid

CAS No.

87081-35-4

Molecular Formula

C₃₃H₄₈O₆

Molecular Weight

472.54

Purity

>98% by HPLC

Targets

XPO1

Solubility

DMSO (>15 mg/ml) or H₂O (

Storage and Shipping Information

Storage

-20 centigrade

Shipping Conditions

Gel pack