

## 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** C<sub>33</sub>H<sub>48</sub>O<sub>6</sub>

**Molecular Weight** 472.54

**Purity** >98% by HPLC

**Targets** XPO1

**Solubility** DMSO (>15 mg/ml) or H<sub>2</sub>O (

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack