EZSolution™ Leptomycin B

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

CATALOG #: 1814-025  25 µg

STRUCTURE:

MOLECULAR FORMULA: C_{33}H_{48}O_{6}

MOLECULAR WEIGHT: 540.73

CAS NUMBER: 87081-35-4

APPEARANCE: Liquid

FORMULATION: In absolute Ethanol (0.2 mg/ml)

PURITY: ≥99% by HPLC

STORAGE: Store at -20°C. Protect from air and light. Unstable in DMSO

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/κB, and it stabilizes the expression of p53.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:
- Honokiol (Cat. No. 1762-10, 50)
- IκBα Monoclonal Antibody (Cat. No. 3315-100)
- IκBα Polyclonal Antibody (Cat. No. 3252-100)
- IKKα/IKK-1 Polyclonal Antibody (Cat. No. 3185-100)
- NF-κB p50 Polyclonal Antibody (Cat. No. 3345R-100)
- NF-κB p65 Monoclonal Antibody (Cat. No. 3012-100)
- NF-κB p65 Polyclonal Antibody (Cat. No. 3038-100)
- NF-κB p105 Polyclonal Antibody (Cat. No. 3897-200)
- PTDC (Cat. No. 1676-100)
- Triptolide (Cat. No. 1761-1,5)