Inhibitor of nuclear export of proteins. Acts via covalent binding to and inhibiting CRM1/exportin-1. Inhibits the nuclear export of the HIV regulatory protein Rev. Stabilizes p53 by blocking its nuclear export.

1) Kudo et al. (1998), Leptomycin B inhibition of signal-mediated nuclear export by direct binding to CRM1; Exp. Cell Res., 242 540
2) Wolff et al. (1997), Leptomycin B is an inhibitor of nuclear export: inhibition of nucleo-cytoplasmic translocation of the human immunodeficiency virus type 1 (HIV-1) Rev protein and Rev-dependent mRNA; Chem. Biol., 4 139

**PHYSICAL DATA**

Molecular Weight: 540.75
Molecular Formula: C₃₃H₄₈O₆
Purity: 99% by HPLC
NMR: (Conforms)
Solubility: Further dilutions may be made with DMSO or Ethanol
Physical Description: Solution in ethanol (1 mg/ml)
Storage and Stability: Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO are unstable and must be used within one working day. Do not store DMSO solutions.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462
www.focusbiomolecules.com