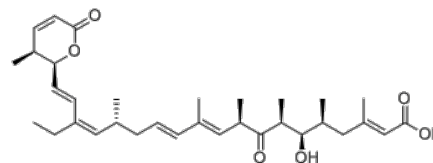


**Product Name** : Leptomycin B  
**Cat. No.** : PC-70229  
**CAS No.** : 87081-35-4  
**Molecular Formula** : C<sub>33</sub>H<sub>48</sub>O<sub>6</sub>  
**Molecular Weight** : 504.74  
**Target** : Exportin-1 (CRM1,XPO1)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Leptomycin B (CI 940, Elactocin, Mantuamycin) is a potent and specific **nuclear export** inhibitor that binds to and inhibits **CRM1** (XPO1).

Leptomycin B blocks the cell cycle and shows potent anti-tumor activity.

Leptomycin B blocks the nuclear export of many proteins including HIV-1 Rev, MAPK/ERK, and NF-κB/IκB, and inhibits the inactivation of p53.

## References

Fornerod M, et al. *Cell*. 1997 Sep 19;90(6):1051-60.

Kudo N, et al. *Exp Cell Res*. 1998 Aug 1;242(2):540-7.

Ossareh-Nazari B, et al. *Science*. 1997 Oct 3;278(5335):141-4.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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