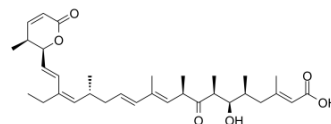


## Leptomycin B

Cat. No.:	HY-16909		
CAS No.:	87081-35-4		
Molecular Formula:	C <sub>33</sub> H <sub>48</sub> O <sub>6</sub>		
Molecular Weight:	540.73		
Target:	CRM1; Fungal		
Pathway:	Membrane Transporter/Ion Channel; Anti-infection		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

Description	Leptomycin B (CI 940; LMB) is a potent inhibitor of the nuclear export of proteins. Leptomycin B inactivates <b>CRM1/exportin 1</b> by covalent modification at a cysteine residue. Leptomycin B is a potent antifungal antibiotic blocking the eukaryotic cell cycle <sup>[1]</sup> .
IC <sub>50</sub> & Target	CRM1/exportin 1 <sup>[1]</sup>

### REFERENCES

[1]. Kudo N, et al. Leptomycin B inactivates CRM1/exportin 1 by covalent modification at a cysteine residue in the central conserved region. Proc Natl Acad Sci U S A. 1999 Aug 3;96(16):9112-7.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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