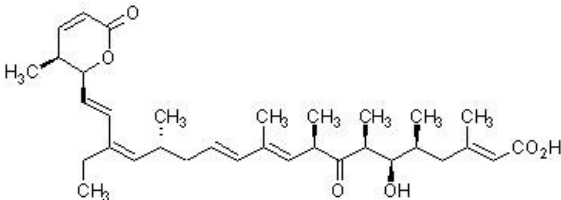


# Leptomycin B (ethanol solution), Antibiotic, antifungal. Inhibitor of CRM-1 mediated nuclear export. ab120501

**2 References**   [画像数 2](#)

### 製品の概要

製品名	Leptomycin B (ethanol solution), Antibiotic, antifungal. Inhibitor of CRM-1 mediated nuclear export.
製品の詳細	Antibiotic, antifungal. Inhibitor of CRM-1 mediated nuclear export.
生理活性の詳細	Potent inhibitor of CRM-1-mediated (exportin-1) nuclear export. Displays antibiotic, antifungal, and antitumor properties and blocks the cell cycle at G <sub>1</sub> and G <sub>2</sub> phases. Potent inhibitor of nucleocytoplasmic translocation of Rev. Also shown to suppress HIV-1 replication in human monocytes (IC <sub>50</sub> = 600 pM).
特記事項	Supplied in ethanol (25 µg/ml).
CAS 番号	87081-35-4
構造式	

### 製品の特性

体系名	(2 <i>E</i> ,5 <i>S</i> ,6 <i>R</i> ,7 <i>S</i> ,9 <i>R</i> ,10 <i>E</i> ,12 <i>E</i> ,15 <i>R</i> ,16 <i>Z</i> ,18 <i>E</i> )-19-[(2 <i>S</i> ,3 <i>S</i> )-3,6-Dihydro-3-methyl-6-oxo-2 <i>H</i> -pyran-2-yl]-17-ethyl-6-hydroxy-3,5,7,9,11,15-hexamethyl-8-oxo-2,10,12,16,18-nonadecapentaenoic acid
分子量	540.74
分子式	C <sub>33</sub> H <sub>48</sub> O <sub>6</sub>
PubChem 登録番号	6917907
保存方法	Store at -20°C (desiccating conditions).
溶解性	Supplied in ethanol (25 µg/ml)
使用に関する注意	<p>Providing storage is as stated on the product vial and the vial is kept tightly sealed, the product can be stored for up to 6 months. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked</a></p>

[questions \(FAQ\) page](#) for more details.

## SMILES 線形表記

O=C(O)C=C(/C)C[C@H](C)[C@@H](O)[C@H](C)C(=O)[C@H](C)C=C(/C)C=CC[C@@H](C)/C=C(C=C[C@H]1OC(=O)C=C[C@@H]1C)CC

## 由来

*Streptomyces* sp.

## アプリケーション

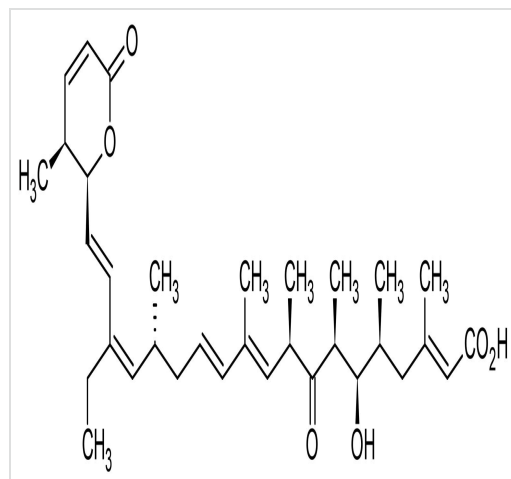
### The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab120501の使用に適用されます

アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

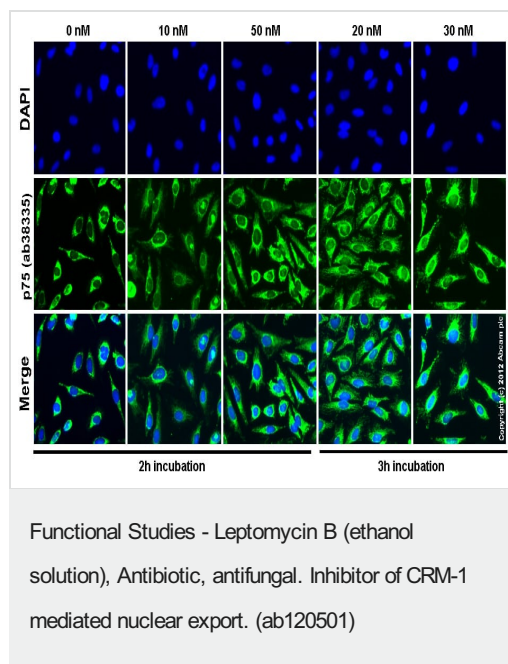
アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

## 画像



2D chemical structure image of ab120501, Leptomycin B (ethanol solution), Antibiotic, antifungal. Inhibitor of CRM-1 mediated nuclear export.

Chemical Structure - Leptomycin B (ethanol solution), Antibiotic, antifungal. Inhibitor of CRM-1 mediated nuclear export. (ab120501)



**ab38335** staining p75 in HeLa cells treated with Leptomycin B (ethanol solution) (ab120501), by ICC/IF. Increase in p75 expression in the nucleus and cytoplasm correlates with increased concentration of Leptomycin B (ethanol solution), as described in literature.

The cells were incubated at 37°C for 2h in media containing different concentrations of ab120501 (Leptomycin B (ethanol solution)) in DMSO, fixed with 100% methanol for 5 minutes at -20°C and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab38335** (1 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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