

LC Laboratories®

CERTIFICATE OF ANALYSIS

Leptomycin B, Free Acid >98%, Solution in Ethanol

LC LABS CAT. No.: **L-6100**

CHEMICAL NAME: Leptomycin B,
Free Acid

FORMULA: C₃₃H₄₈O₆

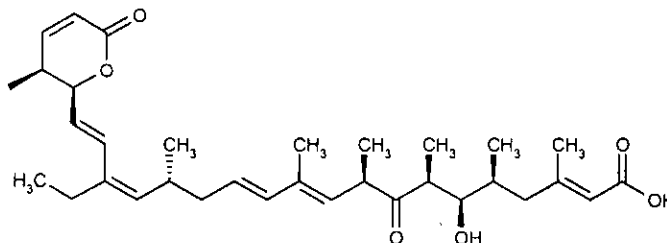
M.W.: 540.73

CAS No.: 87081-35-4

MERCK INDEX: **13: 5463**

STORAGE: Store at or below -20 °C

SOLUBILITY: Soluble in ethanol



- Leptomycin B is a potent, specific inhibitor of nuclear export signal-dependent protein export from the nucleus. Fukuda, M., *et al.* "CRM1 is responsible for intracellular transport mediated by the nuclear export signal." *Nature* **390**: 308-311 (1997).
- **POTENCY:** Leptomycin B typically exhibits IC₅₀ values in the 1 nM range, depending on the species, cell type, and phenomenon under study.

ANALYTICAL DATA

LOT NUMBER: **ATJ-110**

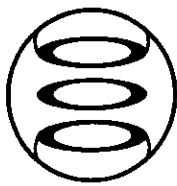
APPEARANCE: Clear, colorless solution in absolute ethanol

HPLC PURITY: >98% (See attached chromatogram)

Lot completion date: July 15, 2011

LC Labs inventory reanalyzed by HPLC on June 28, 2020

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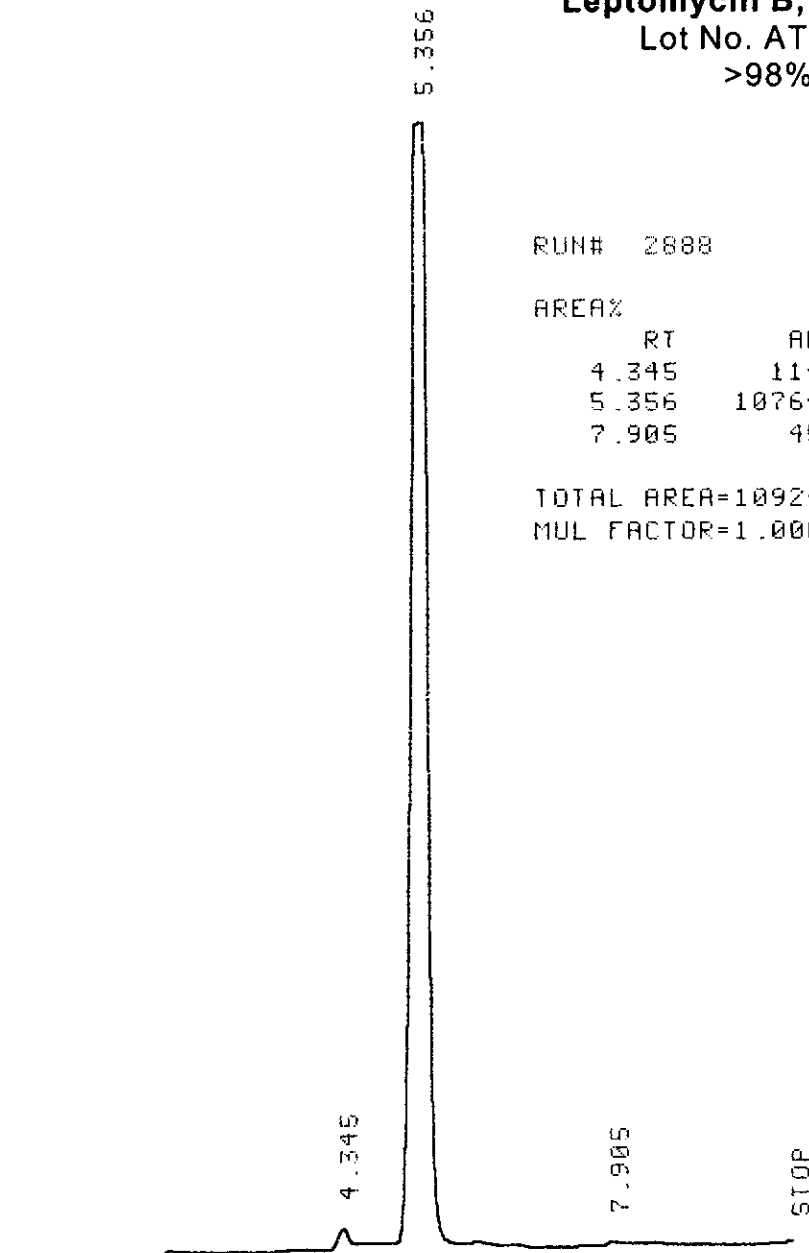
LC Laboratories[®]

Cat. No. L-6100
Leptomycin B, Free Acid
Lot No. ATJ-110
>98%

*CAT. No. L-6100 LEPTOMYCIN B, FREE ACID LOT No. ATJ-110

* RUN # 2888 JUN 28, 2020 20:41:54

START



RUN# 2888 JUN 28, 2020 20:41:54

RT	AREA	TYPE	WIDTH	AREA%
4.345	11483	PU	.166	1.05116
5.356	1076412	UB	.186	98.53526
7.905	4518	PU	.241	.41358

TOTAL AREA=1092413
MUL FACTOR=1.0000E+00

STOP

HPLC: C₁₈ Column, 4.6 mm x 15 cm
Methanol/Water/Trifluoroacetic Acid 83/17/0.1
2 mL/min
UV₂₃₇ Detection