Rifampicin

Bacterial DNA-dependent RNA polymerase inhibitor

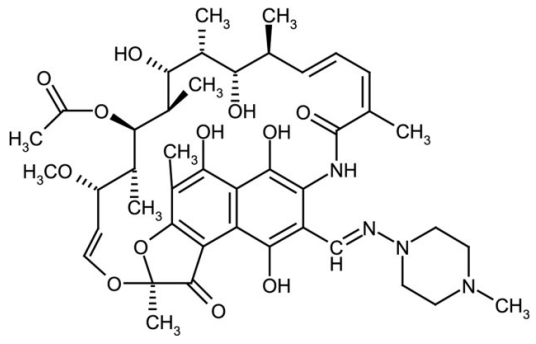
A selective inhibitor of bacterial DNA-dependent RNA polymerase (RNAP). Has no effect on mammalian RNA polymerase. The RNAP-rifampicin complex locks the promoter in an abortive initiation reaction making short oligoribonucleotides which diffuse out of the active site. Inhibits α-synuclein fibrillation and disaggregates fibrils. Potent inducer of hepatic cytochrome P450 enzymes.

Citations: 9 View Online »

Ordering Information Order Online »

ALX-380-071-M100	100mg

Manuals, SDS & CofA View Online »


CH3
CH3
HO
CH3
OH
O
O
H3C
O
O
CH3
OH
OH
H3CO
CH3
NH
CH3
O
C
H
N
N
O
OH
N
CH3
O
CH3

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Rifampin, 3-(4-Methylpiperazinyl-iminomethyl)rifamycin SV
Appearance	Orange to brown powder.
CAS	13292-46-1
Couple Target	Bacterial DNA-dependent RNA polymerase
Couple Type	Inhibitor
Formula	$C_{43}H_{58}N_4O_{12}$
MI	**14:** 8216
MW	823.0
Purity	≥97% (Assay)
RTECS	VJ7000000
Solubility	Soluble in DMSO (25mg/ml) or methanol (25mg/ml).
Source	Semisynthetic.

Last modified: May 29, 2024

ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

For local distributors and detailed product information visit us online: enzo.com All product names, logos, and brands are the property of their respective owners.