Hygromycin B (liquid)

Antibiotic and antiviral

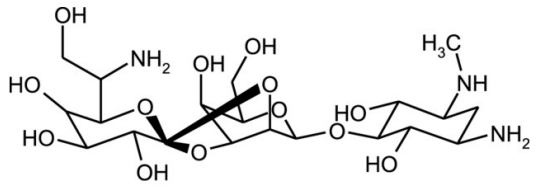
Antibiotic with high activity. Inhibits growth of prokaryotic and eukaryotic microorganisms and mammalian cells. Inhibits protein synthesis at the translocation step on the 70S ribosome and causes misreading of the mRNA. Penetrates cells that have been permeabilized by virus infection, hence it can act as an effective antiviral agent.

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Ordering Information Order Online »

ALX-380-059-UM01	1MU

Manuals, SDS & CofA View Online »


OH
NH2
HO
O
HO
OH
OH
OH
O
O
O
H3C
NH
HO
NH2
HO

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Protect from light.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	O-6-Amino-6-deoxy-L-glycero-D-galacto-heptopyranosylidene-(1-2-3)-O-β-D-talopyranosyl(1-5)-2-deoxy-N3-methyl-D-streptamine
Appearance	Dark brown solution.
CAS	31282-04-9
Formula	$C_{20}H_{37}N_3O_{13}$
MI	**14:** 4852
MW	527.5
Purity	≥80% (HPLC)
Quantity	1MU (1 million units); potency ≥385 U/mg solution.
RTECS	WK2130000
Source	Isolated from *Streptomyces hygroscopicus*.
Technical Info / Product Notes	Microbiological assay: 350’000-500’000U/ml. Solution has to be sterile-filtered before use. For ready-to-use sterile Hygromycin B solutions please refer to Prod. No. ALX-380-306 and ALX-380-309.

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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

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