Hygromycin B (sterile-filtered solution in PBS)

Protein synthesis inhibitor

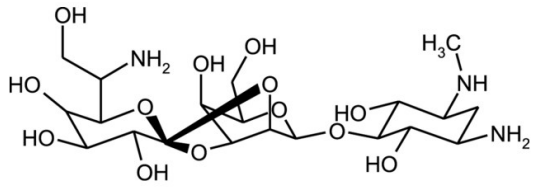
Antibiotic. Inhibits growth of prokaryotic and eukaryotic microorganisms and mammalian cells. Inhibits protein synthesis at the translocation step on the 70S ribosome and causes misreading of the mRNA. Penetrates cells that have been permeabilized by virus infection, hence it can act as an effective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

Citations: 17 View Online »

Ordering Information Order Online »

ALX-380-306-G001	1g

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. Working hygromycin solutions (≤2mg/ml) are stable for up to 1 month when stored at +4°C.
Handling	Protect from light.
Long Term Storage	+4°C
Shipping	Ambient Temperature – Dangerous Good

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	Liquid. In PBS.
CAS	31282-04-9
Formula	$C_{20}H_{37}N_3O_{13}$
MI	**14:** 4852
MW	527.5
Purity	≥90% (HPLC)
Purity Detail	Sterile filtered.
RTECS	WK2130000
Source	Isolated from *Streptomyces hygroscopicus*.

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