

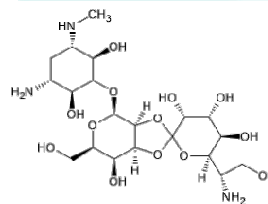
Certificate of Analysis



Product Identification

Catalog number HB4420
Compound name Hygromycin B
Chemical 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
Batch number E2284-1-1
Batch molecular formula C₂₀H₃₇N₃O₁₃
Batch molecular weight 527.52

Chemical Structure



Method

QC requirement

QC Result

HPLC	Reverse Phase HPLC shows >80% purity	Meets specification: 89.4%
Optical rotation	Specific rotation in water measured between +18° and +23°	Meets specification: [α] _D = +22.4° (c=1, water)
Physical appearance	Orange to yellow solid	Meets specification: Pale orange solid
Solubility	Soluble in water	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

20/06/2023

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.