

Product Name: Hygromycin B
Catalog Number: J60681.03

CAS Number: 31282-04-9
IUPAC Name: (3'R,3aS,4S,4'R,5'R,6R,6'R,7S,7aS)-4-[[[(1R,2S,3R,5S,6R)-3-amino-2,6-dihydroxy-5-(methylamino)cyclohexyl]oxy]-6'-[(1S)-1-amino-2-hydroxyethyl]-6-(hydroxymethyl)-tetrahydro-3aH-spiro[[1,3]dioxolo[4,5-c]pyran-2,2'-oxane]-3',4',5',7-tetrol
Molecular Formula: C₂₀H₃₇N₃O₁₃
Molecular Weight: 527.52
InChI Key: GRRNUXAQVGOGFE-KPBUCVLVSA-N
SMILES: CN[C@H]1C[C@@H](N)[C@H](O)[C@@H](O[C@@H]2O[C@H](CO)[C@H](O)[C@@H]3OC4(O[C@H]23)O[C@H]([C@@H](N)CO)[C@H](O)[C@@H](O)[C@H]4O)[C@@H]1O
Synonym: hygromycin B

Product Specification

Appearance (Color): Cream to pale brown
Form: Powder
Assay (HPLC): ≥ 90.0%
Water Content (Karl Fischer Titration): 15.0%
Potency: ≥ 900 units/ mg
Solution Test: Solubility (50mg/ml in water): Clear and pale yellow to pale brown

Date Of Print: 04/29/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.