

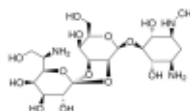
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Hygromycin B from *Streptomyces hygroscopicus* - lyophilized powder

Product Number: **H7772**  
CAS Number: 31282-04-9  
MDL: MFCD06795479  
Formula: C<sub>20</sub>H<sub>37</sub>N<sub>3</sub>O<sub>13</sub>  
Formula Weight: 527.52 g/mol  
Storage Temperature: 2 - 8 °C



### TEST

### Specification

Appearance (Color)	White to Beige and Faint Brown to Brown
Appearance (Form)	Powder
Solubility (Color)	Yellow to Light Brown
Solubility (Turbidity)	Clear to Slightly Hazy
50 mg/mL, H <sub>2</sub> O	
Infrared spectrum	Conforms to Structure
Water (by Karl Fischer)	≤ 10 %
Purity (HPLC)	≥ 60 %
Recommended Retest Period	-----
4 years	

Specification: PRD.1.ZQ5.10000030331

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.