

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaaldrich.com](http://www.sigmaaldrich.com)

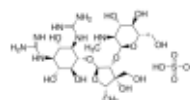
Email USA: [techserv@sial.com](mailto:techserv@sial.com)

Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Dihydrostreptomycin sesquisulfate

Product Number: **D7253**  
CAS Number: 5490-27-7



Formula: C<sub>21</sub>H<sub>41</sub>N<sub>7</sub>O<sub>12</sub>·1.5H<sub>2</sub>SO<sub>4</sub>  
Formula Weight: 730,71 g/mol  
Storage Temperature: 2 - 8 °C

### TEST

### Specification

Appearance (Form)	Powder
Appearance (Color)	White to Off White
Solubility (Color)	Complying
Colorless to Faint Yellow	
Solubility (Turbidity)	Complying
Clear	
Purity (HPLC)	≥ 95.0 %
Loss on Drying	≤ 6.0 %
Sum of Dihydrostreptomycin (HPLC)	95.0 - 102.0 %
Specific Rotation	-91.0 - -83.0 °
Assay	≥ 730 UN/mg
(on anhydrous basis)	
Recommended Retest Period	-----
4 Years	

Specification: PRE.4.ZQ5.10000010309

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. 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.