

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaldrich.com

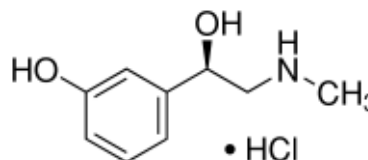
Email USA: techserv@sial.com

Outside USA: eurtechserv@sial.com

## Product Specification

Product Name:  
(R)-(-)-Phenylephrine hydrochloride - analytical standard

Product Number: P8155  
CAS Number: 61-76-7  
MDL: MFCD00012605  
Formula: C<sub>9</sub>H<sub>13</sub>NO<sub>2</sub> · HCl  
Formula Weight: 203.67 g/mol



TEST	Specification
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Identification B	Conforms
Infrared spectrum	Compares to Reference Standard
Loss on Drying	≤ 1.0 %
Assay	97.5 - 102.5 %
Dried basis	
Limit of Ketones	Pass
Chloride Content	17.0 - 17.7 %
Initial Melting Point	≥ 140 °C
Final Melting Point	≤ 145 °C
Specific Rotation	Conforms
-47.5 to -42 Deg.	
Residue on ignition	Pass
< or = 0.2%	
Sulfate	Pass
< or = 0.20%	
Chromatographic Purity	Pass
Sum of the related compounds: < or = 1.0% with single impurity corresponding to: < or = 0.5%	
Residual Solvents USP 467	Meets Requirements
Note	-----
This product meets USP specifications and is traceable to USP Reference Standard	

**Remarks:**

Note: Supplemental spectral image(s) are available upon request.

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.

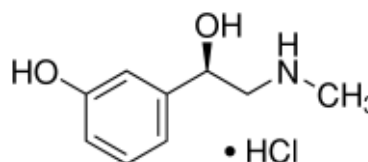
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Specification: PRD.2.ZQ5.10000032322

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