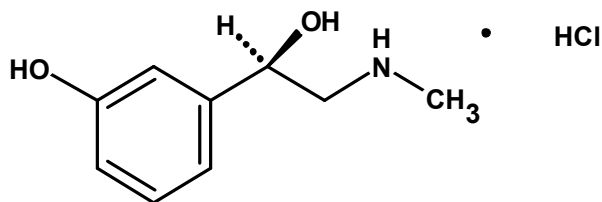


## Product Information

### (R)-(-)-Phenylephrine hydrochloride Sigma Reference Standard

Catalog Number **P8155**  
 Lot Number 106K8803  
 Store at Room Temperature

CAS RN 61-76-7  
 Synonyms: Benzenemethanol; 3-hydroxy- $\alpha$ -[(methylamino)methyl]-, hydrochloride (R)-;  
 (-) Hydroxy- $\alpha$ -[(methylamino)methyl]benzyl alcohol hydrochloride



#### Product Description

Molecular Formula:  $C_9H_{13}NO_2 \cdot HCl$   
 Molecular Weight: 203.67

This product meets USP specifications (Current through USP 29, Supplement 2), and is traceable to USP Reference Standard lot K1C290.

#### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

#### Preparation Instructions

Dry a portion at 105 °C for 2 hours before using. Use promptly and discard unused material.

#### Storage/Stability

Store in sealed vial at room temperature. Protect from light.

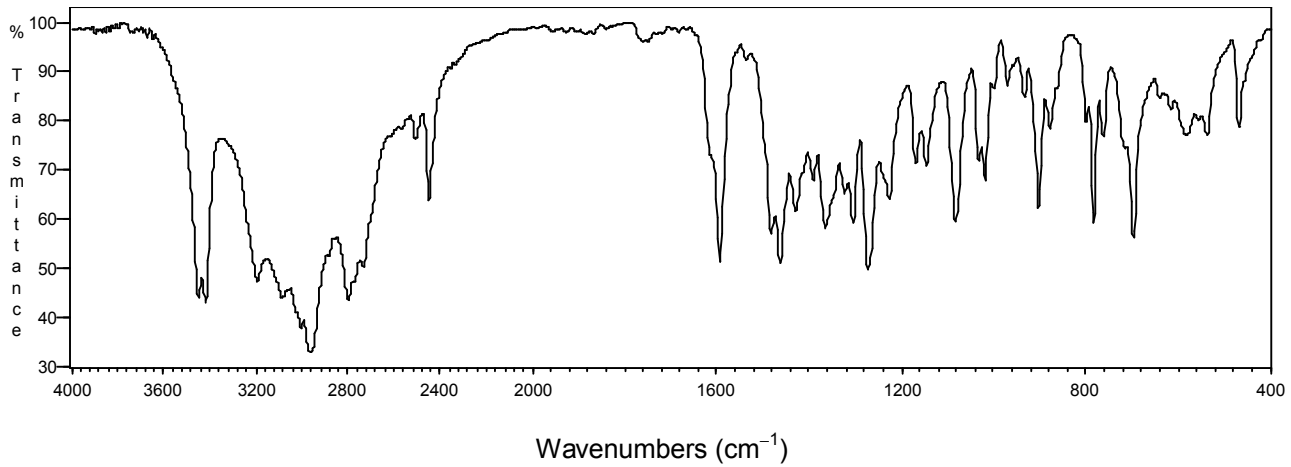
PCS,MAM 12/06-1

TEST	USP 29 SPECIFICATIONS	Result Sigma Reference Standard Lot 106K8803
Infrared absorption spectrum KBr dispersion <197K>	compares to standard	conforms to USP RS lot K1C290
Identification B	a solution (1 in 100) responds to the test for Chloride <191>	conforms
Melting range <741>	between 140 °C and 145 °C	142–144 °C
Specific rotation, 50 mg per mL, in water <781S>	between –42° and –47°	–45°
Loss on Drying <731>	not more than 1.0%	passes
Residue on ignition <281>	not more than 0.2%	passes
Sulfate <221>	not more than 0.20 %	passes
Limit of ketones	less than 1 in 2000	passes
Chromatographic purity <621>	Related impurities not more than 1.0%, with no single impurity at more than 0.5%	passes
Chloride content	between 17% and 17.7%	17.4%
Assay	not less than 97.5% and not more than 102.5%	98.8%

See reverse side for IR spectrum of Sigma Reference Standard.

INFRARED SPECTRUM

KBr dispersion



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