



SIGMA-ALDRICH

3050 Spruce Street
Saint Louis, Missouri 63103 USA
Telephone 800-325-5832 • (314) 771-5765
Fax (314) 286-7828
email: techserv@sial.com
sigma-aldrich.com

Product Information

NOREPINEPHRINE BITARTRATE (Monohydrate) SIGMA REFERENCE STANDARD

Product No. **N3146**

Lot No: 103K8803

Storage Temperature: room temperature

Formula: $C_8H_{11}NO_3 \cdot C_4H_6O_6 \cdot H_2O$

Formula Weight: 337.29

CAS No: 69815-49-2

Synonyms: 1,2-Benzenediol, 4-(2-amino-1-hydroxyethyl)-, (R)-, [R-(R*,R*)]-2,3-dihydroxybutanedioate (1:1) (salt), monohydrate.
(-)- α -(Aminomethyl)-3,4-dihydroxybenzyl alcohol tartrate (1:1) (salt), monohydrate.

Product Description

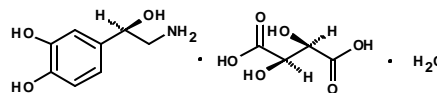
This product meets USP specifications (Current through USP 26, 1st Supplement), and is traceable to USP Reference Standard lot H

Store at room temperature in tight, light-resistant containers. Do not dry before using. This is the monohydrate form of norepinephrine bitartrate.

TEST	USP 23 SPECIFICATIONS	Result Sigma R.S. Lot 103K8803
Infrared absorption spectrum KBr dispersion <197K>	compares to standard	conforms to USP RS lot H
Identification B	intense green color develops	conforms
Identification C	solution remains colorless	conforms
Specific rotation, $[\alpha]_D^{25}$ 50 mg/mL water <781S>	between - 10° and - 12°	-11.0°
Water, Method I <921>	between 4.5% and 5.8%	5.3%
Residue on ignition from 200 mg <281>	negligible	passes
Limit of arterenone <281>	absorptivity at 310 nm of a 2 mg/mL solution is not more than 0.2	passes
Assay	not less than 97.0% and not more than 102% calculated on the anhydrous basis	100.0%

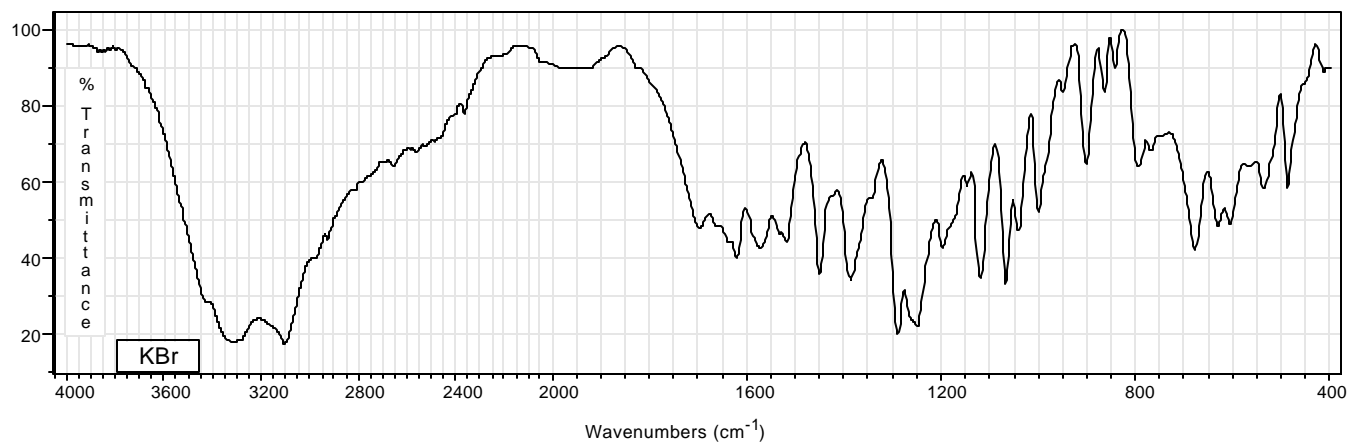
See reverse side for IR spectrum of Sigma Reference Standard.

NOREPINEPHRINE BITARTRATE
(Monohydrate)
SIGMA REFERENCE STANDARD
Product No. **N3146**
Lot 103K8803



INFRARED SPECTRUM

KBr dispersion



12/2003

Sigma brand products are sold through Sigma-Aldrich, Inc.
Sigma-Aldrich, Inc. warrants that its products conform to the information contained in this and other Sigma-Aldrich publications.
Purchaser must determine the suitability of the product(s) for their particular use. Additional terms and conditions may apply.
Please see reverse side of the invoice or packing slip.