



SIGMA-ALDRICH

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Product Information

NOREPINEPHRINE BITARTRATE (Monohydrate) SIGMA REFERENCE STANDARD

Product No. **N3146**

Lot No: 115K8815

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

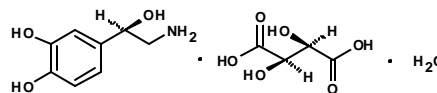
This product meets USP specifications (Current through USP 29), and is traceable to USP Reference Standard lot I0C381

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

TEST	USP 29 SPECIFICATIONS	Result Sigma R.S. Lot 115K8815
Infrared absorption spectrum KBr dispersion (197K)	compares to standard	conforms to USP RS lot I0C381
Identification B	intense green color develops	Passes
Identification C	solution remains colorless	Passes
Specific rotation, $[\alpha]_D^{25}$ 50 mg/mL water (781S)	between - 10° and - 12°	-11.9°
Water, Method I (921)	between 4.5% and 5.8%	5.4%
Residue on ignition from 200 mg (281)	negligible	passes
Limit of arterenone (851)	absorptivity at 310 nm of a 2 mg/mL solution is not more than 0.2	<0.01%
Assay	not less than 97.0% and not more than 102% calculated on the anhydrous basis	100.1%

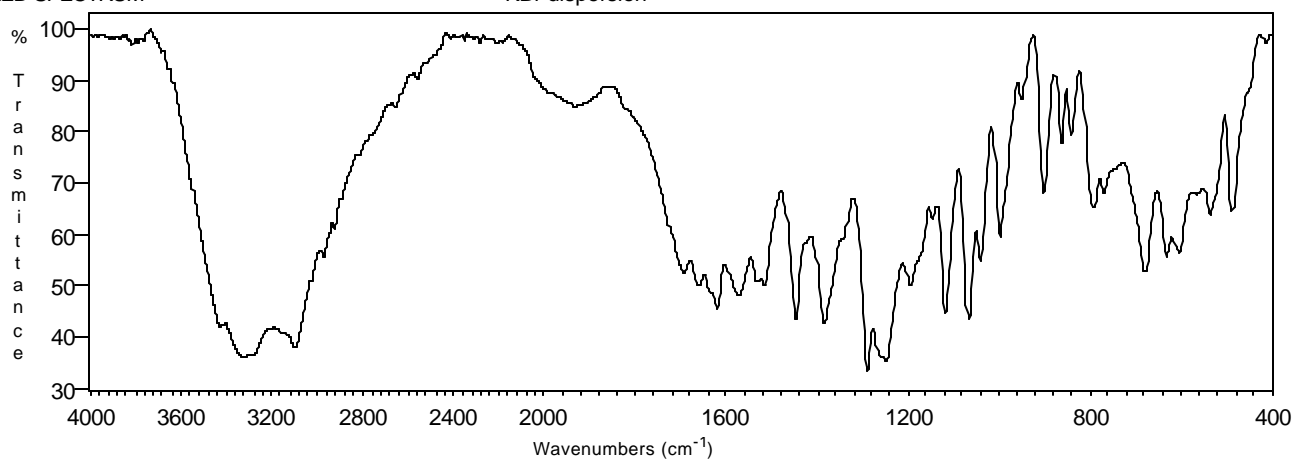
See reverse side for IR spectrum of Sigma Reference Standard.

NOREPINEPHRINE BITARTRATE
(Monohydrate)
SIGMA REFERENCE STANDARD
Product No. **N3146**
Lot 115K8815



INFRARED SPECTRUM

KBr dispersion



12/2005

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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.