

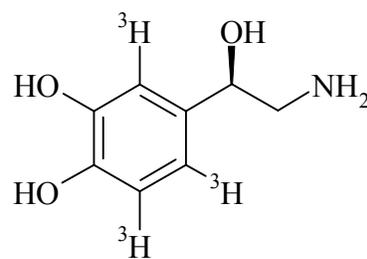
Caution: For Laboratory Use. A product for research purposes only.

NOREPINEPHRINE, LEVO-[RING-2,5,6-³H]-

Product Number: NET678

LOT SPECIFIC INFORMATION

Lot Number:	2065463
Specific Activity:	44.5 Ci/mmol
	1647 GBq/mmol
Production Date:	17-Sep-2015



M.W. 169
C₈H₁₁NO₃

PACKAGING: 1.0 mCi/ml (37 MBq/ml) in 0.2N acetic acid : ethanol solution, (9:1), under argon in a vial which protects the contents from UV light. Shipped in dry ice.

STABILITY AND STORAGE RECOMMENDATIONS: When norepinephrine, levo-[ring-2,5,6-³H]- is stored at -20°C in its original solvent and at its original concentration, the rate of decomposition is initially 2% for 4 months from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

- Norepinephrine, levo-[ring-2,5,6-³H]- is sensitive to light and is subject to air oxidation, and precautions should be taken to minimize exposure to these conditions.

SPECIFIC ACTIVITY RANGE: 40-80 Ci/mmol (1480-2960 GBq/mmol)

RADIOCHEMICAL PURITY: This product was initially found to be greater than 97% when determined by the following method. The rate of decomposition can accelerate. It is advisable to check purity prior to use:

High pressure liquid chromatography on a Zorbax SCX column using the following mobile phase:
potassium phosphate buffer, pH 4.3.

OPTICAL PURITY: Less than 1.0% of the total radioactivity co-radiochromatographed with dextro-norepinephrine, as determined by precolumn derivatization followed by HPLC analysis.

QUALITY CONTROL: The radiochemical purity of norepinephrine, levo-[ring-2,5,6-³H]- is checked at appropriate intervals using the listed chromatography method.

PREPARATIVE PROCEDURE: Norepinephrine, levo-[ring-2,5,6-³H]- is prepared enzymatically from dopamine, [2,5,6-³H]- using partially purified dopamine hydroxylase from bovine adrenal glands (1). The product is purified chromatographically.

REFERENCE: S. Friedman and S. Kaufman, *J. Biol.Chem.*, 240, 4763 (1965).

HAZARD INFORMATION: WARNING: This product contains a chemical known to the state of California to cause cancer.

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