

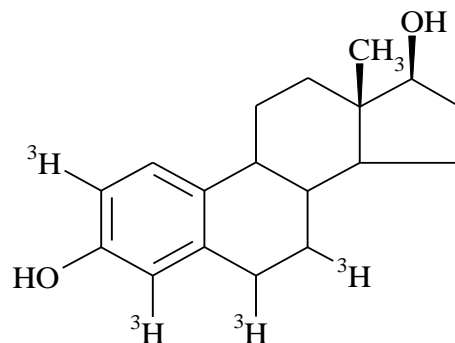
Caution: For Laboratory Use. A product for research purposes only.

ESTRADIOL, [2,4,6,7-³H(N)]-

Product Number: NET317

LOT SPECIFIC INFORMATION

Lot Number:	2112785
Specific Activity:	94 Ci/mmol
	3478 GBq/mmol
Production Date:	25-Jan-2016



M.W. 272
C₁₈H₂₄O₂

PACKAGING: 1.0 mCi/ml (37 MBq/ml) in ethanol. Shipped in dry ice.

STABILITY AND STORAGE RECOMMENDATIONS: When estradiol, [2,4,6,7-³H(N)]- is stored at -20°C in its original solvent and at its original concentration, the rate of decomposition is initially 2-3% over the first two months from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

SPECIFIC ACTIVITY RANGE: 70-115 Ci/mmol (2590-4255 GBq/mmol)

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

High pressure liquid chromatography on a Zorbax ODS column using the following mobile phase:
acetonitrile : water, (1:1).

Thin layer chromatography on silica gel G using the following solvent system:
toluene : ethanol, (9:1).

QUALITY CONTROL: The radiochemical purity of estradiol, [2,4,6,7-³H(N)]- is checked at appropriate intervals using the first listed chromatography method.

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