

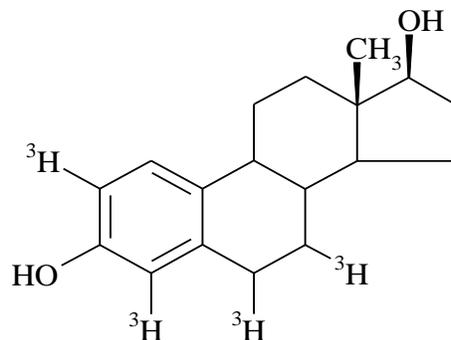
Caution: For Laboratory Use. A product for research purposes only.

## ESTRADIOL, [2,4,6,7-<sup>3</sup>H(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  
C<sub>18</sub>H<sub>24</sub>O<sub>2</sub>

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

**STABILITY AND STORAGE RECOMMENDATIONS:** When estradiol, [2,4,6,7-<sup>3</sup>H(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-<sup>3</sup>H(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.