

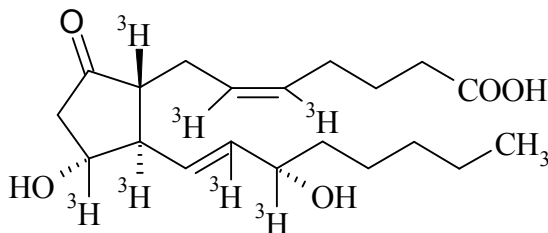
Caution: For Laboratory Use. A product for research purposes only.

## PROSTAGLANDIN E<sub>2</sub>, [5,6,8,11,12,14,15- $^3\text{H}$ (N)]-

Product Number: NET428

### LOT SPECIFIC INFORMATION

Lot Number:	2093374	
Specific Activity:	153.7	Ci/mmol
	5687	GBq/mmol
Production Date:	07 Jan 2016	



M.W. 352  
C<sub>20</sub>H<sub>32</sub>O<sub>5</sub>

**PACKAGING:** 0.1 mCi/ml (3.7 MBq/ml) in ethanol : water (7:3), under argon, in a silanized vial. Shipped in dry ice.

**STABILITY AND STORAGE RECOMMENDATIONS:** When prostaglandin E<sub>2</sub>, [5,6,8,11,12,14,15- $^3\text{H}$ (N)]- is stored at -20°C in its original solvent and at its original concentration, the rate of decomposition is initially 1% per month from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

**SPECIFIC ACTIVITY RANGE:** 100-200 Ci/mmol (3700-7400 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 ODS column using the mobile phase:  
water : acetonitrile : acetic acid, (55:45:0.01).

**QUALITY CONTROL:** The radiochemical purity of prostaglandin E<sub>2</sub>, [5,6,8,11,12,14,15- $^3\text{H}$ (N)]- is checked at appropriate intervals using the above chromatography method.

**REFERENCES:** G. Valenzuela and R. Antonini, *Prostaglandins*, 11, (4), 769 (1976).

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