

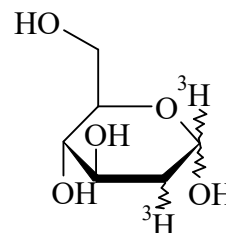
Research Use Only. Not for use in diagnostic procedures.

**DEOXY-D-GLUCOSE, 2-[1,2-<sup>3</sup>H (N)]-**

**Product Number: NET328**

**LOT SPECIFIC INFORMATION**

Lot Number:	2882855
Specific Activity:	8 Ci/mmol
	296 GBq/mmol
Production Date:	12 Jul 2021



M.W. 164  
C<sub>6</sub>H<sub>12</sub>O<sub>5</sub>

**PACKAGING:** 1.0 mCi/ml (37 MBq/ml) in ethanol:water, (9:1).

**STABILITY AND STORAGE RECOMMENDATIONS:** When deoxy-D-glucose, 2-[1,2-<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 1% per year from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

**SPECIFIC ACTIVITY RANGE:** 5-10 Ci/mmol (185-370 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 Aminex HPX-87C column using the following mobile phase:  
water at 85°C.

Paper chromatography on Whatman No. 1 using the following solvent systems:

- n-butanol : ethanol : water, (50:32:18).
- n-butanol : acetic acid : water, (4:1:5).
- n-butanol : pyridine : water, (6:4:3).

**QUALITY CONTROL:** The radiochemical purity of deoxy-D-glucose, 2-[1,2-<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.