

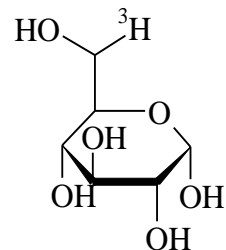
Research Use Only. Not for use in diagnostic procedures.

**GLUCOSE, D-[6-<sup>3</sup>H(N)]-**

**Product Number: NET100C**

**LOT SPECIFIC INFORMATION**

Lot Number:	2545390
Specific Activity:	45.9 Ci/mmol
	1698 GBq/mmol
Production Date:	25-Apr-2019



M.W. 180  
C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>

**PACKAGING:** 1 mCi/ml (37 MBq/ml) in ethanol:water (9:1). Shipped in dry ice.

**STABILITY AND STORAGE RECOMMENDATIONS:** When glucose, D-[6-<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% 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:** 25-50 Ci/mmol (925-1850 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 at 85°C using the following mobile phase:  
water

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

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

**QUALITY CONTROL:** The radiochemical purity of glucose, D-[6-<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.