

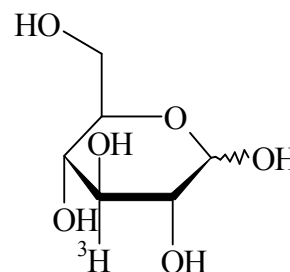
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## GLUCOSE, D-[3- $^3\text{H}$ ]-

Product Number: NET331C

### LOT SPECIFIC INFORMATION

Lot Number:	2536311
Specific Activity:	8 Ci/mmol
	296.0 GBq/mmol
Production Date:	13 Feb 2019



M.W. 180  
 $\text{C}_6\text{H}_{12}\text{O}_6$

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

**STABILITY AND STORAGE RECOMMENDATIONS:** When glucose, D-[3- $^3\text{H}$ ]- is stored at  $-20^\circ\text{C}$  in its original solvent and at its original concentration, the rate of decomposition is initially 0.6% 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:**  $>7$  Ci/mmol ( $>259$  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  $85^\circ\text{C}$ .

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-[3- $^3\text{H}$ ]- 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.