

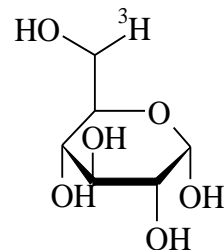
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GLUCOSE, D-[6-³H(N)]-

Product Number: NET100C

LOT SPECIFIC INFORMATION

Lot Number:	2902730
Specific Activity:	36.1 Ci/mmol
	1336 GBq/mmol
Production Date:	03-Sept-2021



M.W. 180
C₆H₁₂O₆

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

STABILITY AND STORAGE RECOMMENDATIONS: When glucose, D-[6-³H(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-[6-³H(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.