

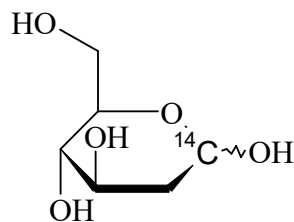
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DEOXY-D-GLUCOSE, 2-[1-¹⁴C]-

Product Number: NEC495A

LOT SPECIFIC INFORMATION

Lot Number:	2663634A
Specific Activity:	53.5 mCi/mmol
	1980 MBq/mmol
Production Date:	21 Jan 2021



M.W. 164.2
C₆H₁₂O₅

PACKAGING: 0.1 mCi/ml (3.7 MBq/ml) in aqueous solution, steri-packaged.

STABILITY AND STORAGE RECOMMENDATIONS: When deoxy-D-glucose, 2-[1-¹⁴C]- is stored at 5°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: 45-60 mCi/mmol (1665-2220 MBq/mmol)

RADIOCHEMICAL PURITY: This product was initially found to be greater than 97% when determined by the following method. It is advisable to check purity prior to use:

High pressure liquid chromatography on a Aminex HPX-87C column at 80°C using the following solvent system:
Water

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

- 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-[1-¹⁴C]- 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