

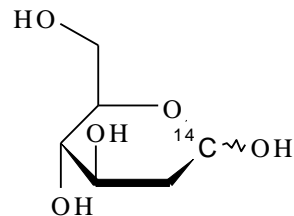
Caution: For Laboratory Use. A product for research purposes only.

DEOXY-D-GLUCOSE, 2-[1- ^{14}C]-

Product Number: NEC495

LOT SPECIFIC INFORMATION

Lot Number:	1826255
Specific Activity:	57.8 mCi/mmol
	2139 MBq/mmol
Production Date:	6-Dec-2013



M.W. 164.2
 $\text{C}_6\text{H}_{12}\text{O}_5$

PACKAGING: 0.1 mCi/ml (3.7 MBq/ml) in ethanol : water, 9:1.

STABILITY AND STORAGE RECOMMENDATIONS: When deoxy-D-glucose, 2-[1- ^{14}C]- 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: 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 an 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- ^{14}C]- 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