

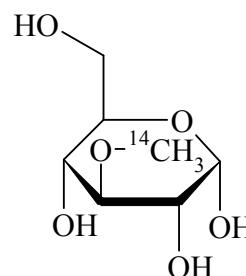
Research Use Only. Not for use in diagnostic procedures.

METHYL-D-GLUCOSE, 3-O-[METHYL-¹⁴C]-

Product Number: NEC377

LOT SPECIFIC INFORMATION

Lot Number:	2595712
Specific Activity:	56.4 mCi/mmol
	2087 MBq/mmol
Production Date:	28-Jun-2019



M.W. 194.2
C₇H₁₄O₆

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

STABILITY AND STORAGE: When methyl-D-glucose, 3-O-[methyl-¹⁴C]- is stored at -20°C in its original solvent and at its original concentration, the rate of decomposition is initially 0.5% 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: 30-60 mCi/mmol (1110-2220 MBq/mmol)

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

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

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

QUALITY CONTROL: The radiochemical purity of methyl-D-glucose, 3-O-[methyl-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.