

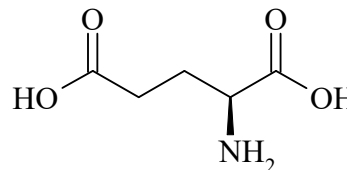
Research Use Only. Not for use in diagnostic procedures.

GLUTAMIC ACID, L- $^{14}\text{C}(\text{U})$ -

Product Number: NEC290E

LOT SPECIFIC INFORMATION

Lot Number:	2873030
Specific Activity:	281.0 mCi/mmol
	10397 MBq/mmol
Production Date:	27-MAY-2021



M.W. 147.1
 $\text{C}_5\text{H}_9\text{NO}_4$

PACKAGING: 0.1 mCi/ml (3.7 MBq/ml) in ethanol : water (2:98), steri-packaged.

STABILITY AND STORAGE: When glutamic acid, L- $^{14}\text{C}(\text{U})$ - is stored at 5°C in its original solvent and at its original concentration, the rate of decomposition is initially less than 2-3% in 6 months from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

SPECIFIC ACTIVITY RANGE: > 200 mCi/mmol (> 7400 MBq/mmol)

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

High pressure liquid chromatography on a SCX column using the following mobile phase:
Potassium phosphate, pH 2.5.

QUALITY CONTROL: The radiochemical purity of glutamic acid, L- $^{14}\text{C}(\text{U})$ - is checked at appropriate intervals using the above listed chromatography method.

HAZARD INFORMATION: WARNING: This product contains a chemical known to the state of California to cause cancer.