

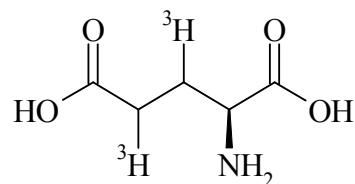
Research Use Only. Not for use in diagnostic procedures.

## GLUTAMIC ACID, L-[3,4-<sup>3</sup>H]-

Product Number: NET490

### LOT SPECIFIC INFORMATION

Lot Number:	2734946
Specific Activity:	48.6 Ci/mmol
	1798 GBq/mmol
Production Date:	2 July 2020



M.W. 147  
C<sub>5</sub>H<sub>9</sub>NO<sub>4</sub>

**PACKAGING:** 1.0 mCi/ml (37 MBq/ml) in ethanol : water (2:98).

**STABILITY AND STORAGE RECOMMENDATIONS:** When glutamic acid, L-[3,4-<sup>3</sup>H]- is stored at 5°C in its original solvent and at its original concentration, the rate of decomposition is initially 1% per month from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

**SPECIFIC ACTIVITY RANGE:** 40-80 Ci/mmol (1480-2960 GBq/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:

High pressure liquid chromatography on a Zorbax SCX column using the following mobile phase:  
potassium phosphate, pH 3.0.

**OPTICAL PURITY:** Greater than 97% L-glutamic acid as determined by analysis on a CROWNPAK CR CHIRAL HPLC column.

**QUALITY CONTROL:** The radiochemical purity of glutamic acid, L-[3,4-<sup>3</sup>H]- is checked at appropriate intervals using the listed chromatography method.

**TRITIUM NMR:** The position of label and relative distribution have been investigated by tritium NMR.

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