

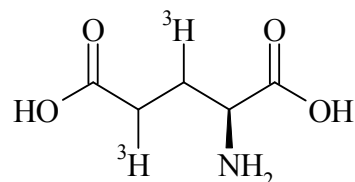
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GLUTAMIC ACID, L-[3,4-³H]-

Product Number: NET490

LOT SPECIFIC INFORMATION

Lot Number:	2700651
Specific Activity:	48.6 Ci/mmol
	1798 GBq/mmol
Production Date:	22-Apr-2020



M.W. 147
C₅H₉NO₄

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

STABILITY AND STORAGE RECOMMENDATIONS: When glutamic acid, L-[3,4-³H]- 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-[3,4-³H]- 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.