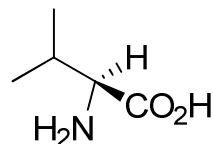


Research Use Only. Not for use in diagnostic procedures.

VALINE, L-[$^{14}\text{C}(\text{U})$]-**Product Number: NEC291E****LOT SPECIFIC INFORMATION**

Lot Number:	2639727
Specific Activity:	271 mCi/mmol
	10027 MBq/mmol
Production Date:	28-Oct-2019

M.W. 117.5
 $\text{C}_5\text{H}_{11}\text{NO}_2$
CAS 72-18-4**PACKAGING:** 0.05 mCi/ml (1.85 MBq/ml) in water : ethanol (98:2), steri-packaged. Shipped ambient.**STABILITY AND STORAGE RECOMMENDATIONS:**

When valine, L-[$\text{C}14(\text{U})$]- is stored at 5oC in its original solvent and at its original concentration, the rate of decomposition is initially 1-2% per year from date of purification. The rate of decomposition can accelerate. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

SPECIFIC ACTIVITY RANGE: >250 mCi/mmol (>9.25 GBq/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 a SCX column using the following mobile phase:
25 mm potassium phosphate, pH 3.0**QUALITY CONTROL:** The radiochemical purity of valine, L-[$\text{C}14(\text{U})$]- is checked at appropriate intervals using the above chromatography method.**OPTICAL PURITY:** This product was shown to contain less than 5% D-Valine.**HAZARD INFORMATION:** WARNING: This product contains a chemical known to the state of California to cause cancer.