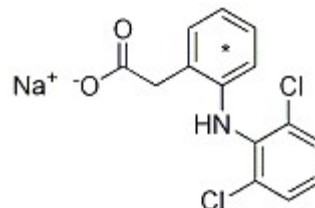


Research Use Only. Not for use in diagnostic procedures.

DICLOFENAC SODIUM, [PHENYLACETIC ACID RING - ¹⁴C(U)]-**Product Number: NEC830****LOT SPECIFIC INFORMATION**

Lot Number:	2805709
Specific Activity:	75 mCi/mmol
	2775 MBq/mmol
Production Date:	07-Jan-2021

M.W. 318.13
C₁₄H₁₀Cl₂NNaO₂
CAS 15307-79-6**PACKAGING:** Crystalline solid. Shipped in dry ice.**STABILITY AND STORAGE RECOMMENDATIONS:**

When diclofenac sodium, [phenylacetic acid ring - ¹⁴C(U)]- is stored at -20°C as a solid, the rate of decomposition is initially 1% per month from the 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: 50-75 mCi/mmol (1850-2775 MBq/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 C18 column using the following mobile phase:

Isocratic using 55%A/45%B for 20 minutes, followed by a 1 minute linear gradient to 100%B. Hold at 100%B for 9 minutes.

- A) 1% Triethylammonium acetate, pH 4
- B) Acetonitrile

QUALITY CONTROL: The radiochemical purity of diclofenac sodium, [phenylacetic acid ring - ¹⁴C(U)]- is checked at appropriate intervals using the above chromatography method.**HAZARD INFORMATION:** WARNING: This product contains a chemical known to the state of California to cause cancer.