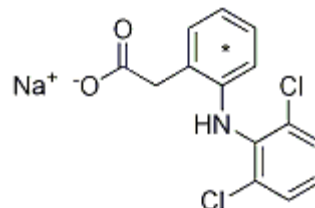


Research Use Only. Not for use in diagnostic procedures.

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

Lot Number:	2508150
Specific Activity:	62.7 mCi/mmol
	2320 MBq/mmol
Production Date:	20-Nov-2018

M.W. 318.13  
C<sub>14</sub>H<sub>10</sub>Cl<sub>2</sub>NNaO<sub>2</sub>  
CAS 15307-79-6**PACKAGING:** Crystalline solid. Shipped in dry ice.**STABILITY AND STORAGE RECOMMENDATIONS:**

When diclofenac sodium, [phenylacetic acid ring - <sup>14</sup>C(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 - <sup>14</sup>C(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.