

Caution: For Laboratory Use. A product for research purposes only.

NEUROTENSIN, [3,11-TYROSYL-3,5- $^3\text{H}(\text{N})$]-**Product Number: NET605****LOT SPECIFIC INFORMATION**

Lot Number:	2097337
Specific Activity:	99.8 Ci/mmol
	3692.6 GBq/mmol
Production Date:	23 December 2015

pGlu-Leu-Tyr-Glu-Asn-Lys-Pro-Arg-Arg-Pro-Tyr-Ile-Leu-OH

M.W. 1673
 $\text{C}_{78}\text{H}_{121}\text{N}_{21}\text{O}_{20}$

PACKAGING: 1.0 mCi/ml (37 MBq/ml) in ethanol, in a silanized vial, under argon, in a vial which protects contents from UV light. Shipped in dry ice.

STABILITY AND STORAGE RECOMMENDATIONS: When neurotensin, [3,11-tyrosyl-3,5- $^3\text{H}(\text{N})$]- is stored at -20°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: > 90 Ci/mmol (>3330 GBq/mmol)

RADIOCHEMICAL PURITY: This product was initially found to be greater than 97% when determined by one of the following methods. The rate of decomposition can accelerate. It is advisable to check purity prior to use:

High pressure liquid chromatography on a C18 column using the following mobile phase:

0.2% trifluoroacetic acid : acetonitrile, (85:15 to 65:35, linear gradient over 20 minutes).

Thin layer chromatography on Avicel using one of the following solvent systems:

a. n-butanol : acetic acid : water, (25:4:10).

b. n-butanol : pyridine : acetic acid : water, (30:20:6:24).

QUALITY CONTROL: The radiochemical purity of neurotensin, [3,11-tyrosyl-3,5- $^3\text{H}(\text{N})$]- is checked at appropriate intervals using the first listed chromatography method.

SPECIAL INFORMATION: To obtain reproducible thin layer chromatography, it is necessary to underspot with 1N HCl and cold neurotensin.

REFERENCE: Carraway, Robert and Leeman, Susan E., *J. Biol. Chem.*, **248**, 6854 (1973).

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

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