

Research Use Only. Not for use in diagnostic procedures.

**DELTORPHIN II, (2-D-ALA)-, [TYROSYL-3,5-<sup>3</sup>H]-**

**Product Number: NET1087**

**LOT SPECIFIC INFORMATION**

Lot Number:	2545443
Specific Activity:	49.9 Ci/mmol
	1846 GBq/mmol
Production Date:	25-Feb-2019

Tyr-D-Ala-Phe-Glu-Val-Val-Gly-NH<sub>2</sub>

M. W. 782.9

**PACKAGING:** 1mCi/ml (37 MBq/ml) in 0.1N acetic acid : ethanol, (8 : 2). Shipped in dry ice.

**STABILITY AND STORAGE RECOMMENDATIONS:** When deltorphin II, (2-D-Ala)-, [tyrosyl-3,5-<sup>3</sup>H]- 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:** 30-60 Ci/mmol (1110-2220 GBq/mmol)

**RADIOCHEMICAL PURITY:** This product was initially found to be greater than 96% 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 Vydac C18 column using the following mobile phase:  
0.2% trifluoroacetic acid : acetonitrile, (78:22).

**QUALITY CONTROL:** The radiochemical purity of deltorphin II (2-D-Ala), [tyrosyl-3,5-<sup>3</sup>H]- is checked at appropriate intervals using the listed chromatography method.

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