

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

SUBSTANCE P, (9-SAR, 11-MET(O₂)), [2-PROLYL-3,4- ^3H]-**Product Number: NET1025****LOT SPECIFIC INFORMATION**

Lot Number:	1851372
Specific Activity:	44.4 Ci/mmol
	1643 GBq/mmol
Production Date:	24 Jan. 2014

Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Sar-Leu-Met(O₂)-NH₂

M. W. 1392.7

PACKAGING: 1.0 mCi/ml (37 MBq/ml) in ethanol, in a silanized vial. Shipped in dry ice.**STABILITY AND STORAGE RECOMMENDATIONS:** When substance P, (9-Sar, 11-Met(O₂)), [2-Prolyl-3,4- ^3H]- is stored at -20°C in its original solvent and at its original concentration, the rate of decomposition is approximately 1-2% for 3 months from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.**SPECIFIC ACTIVITY RANGE:** 25-55 Ci/mmol (925-2035 GBq/mmol)**RADIOCHEMICAL PURITY:** This product was initially found to be greater than 97% 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 Proteins and Peptides C₁₈ column using the following gradient system:

0.2% TFA : acetonitrile, (100:0) to 0.2% TFA : acetonitrile, (50:50).

Linear gradient over 20 min.

QUALITY CONTROL: The radiochemical purity of substance P, (9-Sar, 11-Met(O₂)), [2-Prolyl-3,4- ^3H]- 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.