

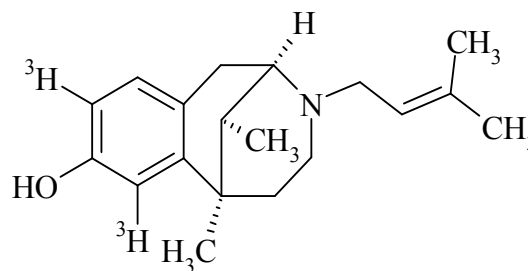
Caution: For Laboratory Use. A product for research purposes only.

(+)-PENTAZOCINE, [RING-1,3-³H]-

Product Number: NET1056

LOT SPECIFIC INFORMATION

Lot Number:	2084249
Specific Activity:	28.3 Ci/mmol
	1047 GBq/mmol
Production Date:	4-Nov-2015



M.W. 285
C₁₉H₂₇NO

PACKAGING: 1.0 mCi/ml (37 MBq/ml) in ethanol, in a silanized vial, under argon. Shipped in dry ice.

STABILITY AND STORAGE RECOMMENDATIONS: When (+)-pentazocine, [ring-1,3-³H]- is stored at -20°C in its original solvent and at its original concentration, the rate of decomposition is initially 3% for 12 months from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

SPECIFIC ACTIVITY RANGE: 25-60 Ci/mmol (925-2220 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 Zorbax ODS column using the following mobile phase:
1% triethylamine acetate, pH4 : acetonitrile, (75:25).

QUALITY CONTROL: The radiochemical purity of (+)-pentazocine, [ring-1,3-³H]- is checked at appropriate intervals using the listed chromatography method.

REFERENCES:

1. W.R. Martin, C.G. Eades, and J.A. Thompson, R.E. Happler, and P.E. Gilbert, *J. Pharmacol. Exper. Ther.*, **197**, 517 (1976).
2. B.R. de Costa, W.D. Bowen, S.B. Hellewell, J.M. Walker, A. Thurkauf, A.E. Jacobson, and K.C. Rice, *FEBS Lett.*, **251**, 53 (1989).

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