

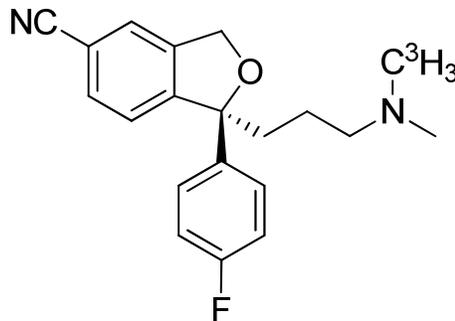
Caution: For Laboratory Use. A product for research purposes only.

ESCITALOPRAM, [N-METHYL-³H]-

Product Number: NET1209

LOT SPECIFIC INFORMATION

Lot Number:	1602529
Specific Activity:	74.8 Ci/mmol
	2768 GBq/mmol
Production Date:	29-Feb-2012



M.W. 329.39
C₂₀H₂₁FN₂O

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

STABILITY AND STORAGE RECOMMENDATIONS: When Escitalopram, [N-methyl-³H]- is stored at -20°C in its original solvent and at its original concentration, the rate of decomposition is initially 3% for 9 months from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

SPECIFIC ACTIVITY RANGE: 70-87 Ci/mmol (2590-3219 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 C18 column using the following mobile phase:
1% triethylammonium acetate, pH4 : acetonitrile (65:35).

OPTICAL PURITY: The product was initially found to be greater than 95% S-isomer when determined by the following method:

High pressure liquid chromatography on a Chiralcel OD-H column using the following mobile phase:
20 minute linear gradient from 95%A/5%B to 80%A/20%B
A) n-hexane
B) isopropanol

QUALITY CONTROL: The radiochemical purity of Escitalopram, [N-methyl-³H]- is checked at appropriate intervals using the listed chromatography method.

REFERENCE: R.J. D'Amato, B.L. Largent, A.M. Snowman, and S.H. Snyder, *J. Pharmacol, Exp. Thera.*, **242**, 364 (1987).

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

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