

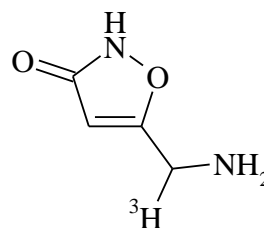
Research Use Only. Not for use in diagnostic procedures.

**MUSCIMOL, [METHYLENE-<sup>3</sup>H(N)]-  
(3-HYDROXY-5-AMINOMETHYLISOXAZOLE)**

**Product Number: NET574**

**LOT SPECIFIC INFORMATION**

Lot Number:	_____	2550431	_____
Specific Activity:	_____	30.2	Ci/mmol
	_____	1117	GBq/mmol
Production Date:	_____	28-Feb-2019	_____



M.W. 114  
C<sub>4</sub>H<sub>6</sub>N<sub>2</sub>O<sub>2</sub>

**PACKAGING:** 1.0 mCi/ml (37 MBq/ml) in ethanol : water (1:1) in a vial which protects the contents from UV light.

**STABILITY AND STORAGE RECOMMENDATIONS:** When Muscimol, [methylene-<sup>3</sup>H(N)]- is stored at -20°C in its original solvent and at its original concentration, the rate of decomposition is initially 3% for 2 months from date of purification. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

**SPECIFIC ACTIVITY RANGE:** 20-40 Ci/mmol (740-1480 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. Purity should be checked prior to use:

High pressure liquid chromatography on a Polyhydroxyethyl A column using the following mobile phase:  
0.005 M potassium phosphate, pH 5.5 / acetonitrile (45:55)

**QUALITY CONTROL:** The radiochemical purity of muscimol, [methylene-<sup>3</sup>H(N)]- 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.