

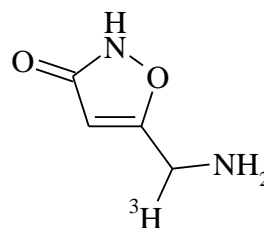
Research Use Only. Not for use in diagnostic procedures.

**MUSCIMOL, [METHYLENE-³H(N)]-
(3-HYDROXY-5-AMINOMETHYLISOXAZOLE)**

Product Number: NET574

LOT SPECIFIC INFORMATION

Lot Number:	2799865
Specific Activity:	20 Ci/mmol
	740 GBq/mmol
Production Date:	23-Jul-2021



M.W. 114
C₄H₆N₂O₂

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-³H(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-³H(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.