

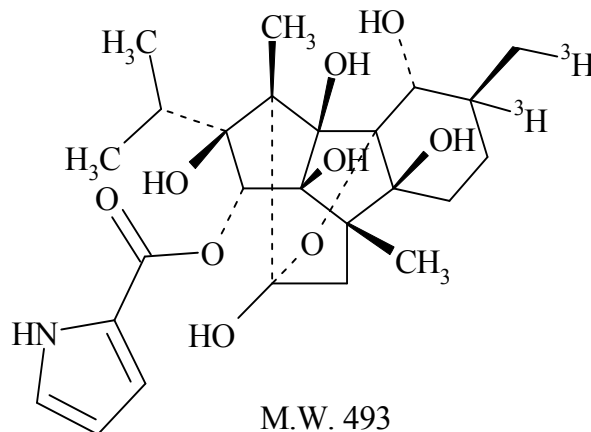
Research Use Only. Not for use in diagnostic procedures.

RYANODINE, [9,21-³H(N)]-

Product Number: NET950

LOT SPECIFIC INFORMATION

Lot Number:	<u>2497569</u>
Specific Activity:	<u>52.7</u> Ci/mmol
	<u>1950</u> GBq/mmol
Production Date:	<u>06-Nov-2018</u>



M.W. 493
C₂₅H₃₅NO₉

PACKAGING: 0.1 mCi/ml (3.7 MBq/ml) in ethanol, in a silanized vial, under nitrogen. Shipped in dry ice.

STABILITY AND STORAGE RECOMMENDATIONS: The stability of ryanodine, [9,21-³H(N)]- is currently being evaluated. Initial studies indicate that when ryanodine, [9,21-³H(N)]- is stored at -20°C in its original solvent and at its original concentration, the rate of decomposition is initially 2% for 6 months. Stability is nonlinear and not correlated to isotope half-life. Lot to lot variation may occur.

SPECIFIC ACTIVITY RANGE: 50-100 Ci/mmol (1850-3700 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:
methanol : water, (1:1).

QUALITY CONTROL: The radiochemical purity of ryanodine, [9,21-³H(N)]- is checked at appropriate intervals using the listed chromatography method.

REFERENCES:

1. Fleischer, S., et al, *Proc. Nat'l Acad. Sci., U.S.A.*, **82**: 7256-7259 (1985).
2. Pessah, I.N., Waterhouse, A.L. and Casida, J.E., *Biochem. Biophys. Res. Comm.* **128**: 449-456 (1985).

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