

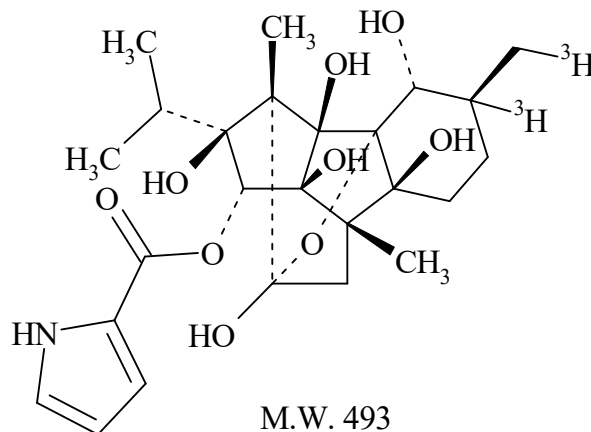
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## RYANODINE, [9,21-<sup>3</sup>H(N)]-

Product Number: NET950

### LOT SPECIFIC INFORMATION

Lot Number:	2921010	
Specific Activity:	56	Ci/mmol
	2072	GBq/mmol
Production Date:	06-Oct-2021	



M.W. 493  
C<sub>25</sub>H<sub>35</sub>NO<sub>9</sub>

**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-<sup>3</sup>H(N)]- is currently being evaluated. Initial studies indicate that when ryanodine, [9,21-<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 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-<sup>3</sup>H(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.

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NET950-REV-02