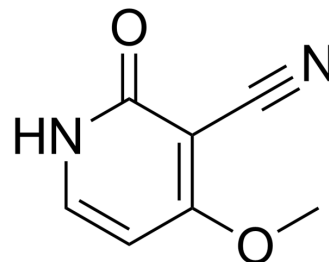


N-Demethylricinine

Cat. No.:	HY-65008		
CAS No.:	21642-98-8		
Molecular Formula:	C ₇ H ₆ N ₂ O ₂		
Molecular Weight:	150.13		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (333.04 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.6609 mL	33.3045 mL	66.6089 mL
	5 mM	1.3322 mL	6.6609 mL	13.3218 mL
	10 mM	0.6661 mL	3.3304 mL	6.6609 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (16.65 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

N-Demethylricinine is a ricinine, can be interconverted with ricinine in senescent and green castor plant leaves. Ricinine, is a α -pyridone alkaloid biosynthetically related to the pyridine nucleotide cycle. The alkaloid catabolism of ricinine is associated with aging process^[1].

REFERENCES

- [1]. Skurský L, Burleson D, Waller GR. Interconversion of ricinine and n-demethylricinine in senescent and green castor plant leaves. J Biol Chem. 1969 Jun 25;244(12):3238-42.

Caution: Product has not been fully validated for medical applications. For research use only.

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