N-Demethylricinine

Cat. No.: HY-65008

CAS No.: 21642-98-8

Molecular Formula: $C_7H_6N_2O_2$

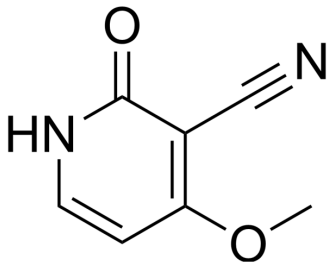
Molecular Weight: 150.13

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 / Mass / Concentration	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

1. 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
2. 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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