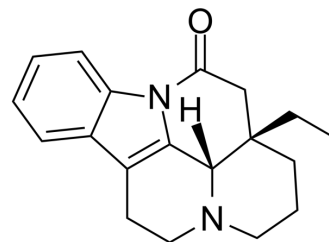


Vinburnine

Cat. No.:	HY-B1180		
CAS No.:	4880-88-0		
Molecular Formula:	C ₁₉ H ₂₂ N ₂ O		
Molecular Weight:	294.39		
Target:	Drug Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 8.33 mg/mL (28.30 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.3969 mL	16.9843 mL	33.9685 mL
	5 mM		0.6794 mL	3.3969 mL	6.7937 mL
	10 mM		0.3397 mL	1.6984 mL	3.3969 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: ≥ 0.83 mg/mL (2.82 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 0.83 mg/mL (2.82 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 0.83 mg/mL (2.82 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Vincamone is a vinca alkaloid and a metabolite of vincamine, is a vasodilator.

REFERENCES

[1]. Maksay G, Bíró T, Kiss B. Vinburnine decelerates [3H]N-methylscopolamine binding to recombinant human muscarinic M1-M4 acetylcholine receptors. Eur J Pharmacol. 2004;483(2-3):229-232.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA