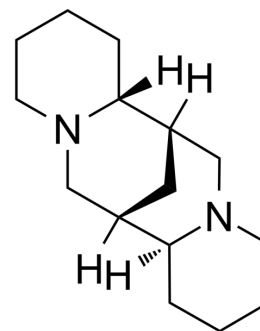


(-)-Sparteine

Cat. No.:	HY-W012185
CAS No.:	90-39-1
Molecular Formula:	C ₁₅ H ₂₆ N ₂
Molecular Weight:	234.39
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (53.33 mM; Need ultrasonic)
H₂O : 1.82 mg/mL (7.76 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.2664 mL	21.3320 mL	42.6639 mL
	5 mM	0.8533 mL	4.2664 mL	8.5328 mL
	10 mM	0.4266 mL	2.1332 mL	4.2664 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: ≥ 1.25 mg/mL (5.33 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.25 mg/mL (5.33 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 1.25 mg/mL (5.33 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(-)-Sparteine is a natural alkaloid isolated from beans.

In Vitro

(-)-Sparteine is a natural alkaloid^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Faugeras G, et al. Alkaloids of *Sarothamnus catalaunicus* Webb. Isolation of (-)-sparteine, (+)-lupanine and a new alkaloid ester: the catalauverine. *Ann Pharm Fr.* 1968 Apr;26(4):265-75.

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

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