

(-)-Sparteine

Chemical Properties

CAS No. : 90-39-1

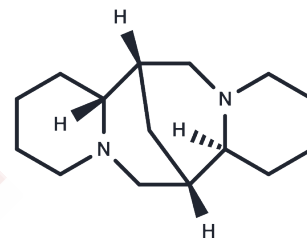
Formula: C₁₅H₂₆N₂

Molecular Weight: 234.38

Store at low temperature, Keep away from direct sunlight

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	(-)-Sparteine ((-)-Lupinidine) is a quinolizidine alkaloid extracted from lupine, which is a voltage-gated sodium channel (VGSC) blocker with anticonvulsant activity.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 1 mg/mL (4.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (4.27 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2666 mL	21.3329 mL	42.6658 mL
5 mM	0.8533 mL	4.2666 mL	8.5332 mL
10 mM	0.4267 mL	2.1333 mL	4.2666 mL
50 mM	0.0853 mL	0.4267 mL	0.8533 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Faugeras G, et al. Isolement de la (-)-spartéine, de la (+)-lupanine et d'un nouvel alcaloïde ester: la catalauvérine [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. French.

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