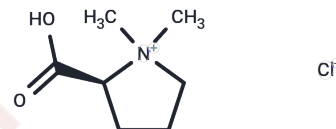


Stachydrine Hydrochloride

Chemical Properties

CAS No. :	4136-37-2
Formula:	C ₇ H ₁₄ ClNO ₂
Molecular Weight:	179.64
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Stachydrine Hydrochloride is an effective component that mainly extracted from the leaf of Leonurussibiricus.
Targets(IC50)	NF-κB,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 50 mg/mL (278.33 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: 2.5 mg/mL (13.92 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	5.5667 mL	27.8334 mL	55.6669 mL
5 mM	1.1133 mL	5.5667 mL	11.1334 mL
10 mM	0.5567 mL	2.7833 mL	5.5667 mL
50 mM	0.1113 mL	0.5567 mL	1.1133 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

Zhao L, et al. Stachydrine ameliorates isoproterenol-induced cardiac hypertrophy and fibrosis by suppressing inflammation and oxidative stress through inhibiting NF- κ B and JAK/STAT signaling pathways in rats. *Int Immunopharmacol.* 2017 May 9;48:102-109.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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