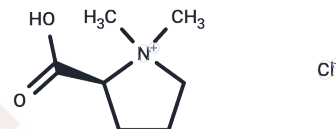


## Stachydrine Hydrochloride

## Chemical Properties

CAS No. :	4136-37-2
Formula:	C <sub>7</sub> H <sub>14</sub> ClNO <sub>2</sub>
Molecular Weight:	179.64
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

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

## Solubility Information

Solubility	DMSO: 50 mg/mL (278.33 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## 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.

## Reference

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

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Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481