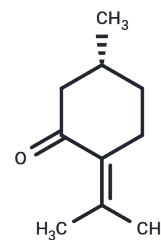


## Pulegone

## Chemical Properties

CAS No. :	89-82-7
Formula:	C <sub>10</sub> H <sub>16</sub> O
Molecular Weight:	152.23
Appearance:	no data available
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	1. Pulegone ((+)-Pulegone) has cytotoxicity followed by regenerative cell proliferation is the MOA for Pulegone-induced urothelial tumors in female rats. 2. Pulegone induces a verapamil-sensitive psychostimulant effect that appears to independ on the opening of L-type calcium channels. 3. Pulegone has negative reinforcing properties and seems to possess anxiolytic-like actions unrelated to the benzodiazepine site of the $\gamma$ -aminobutyric acid type A (GABAA) receptor.
Targets(IC50)	Calcium Channel,Endogenous Metabolite,TRP/TRPV Channel

## Solubility Information

Solubility	DMSO: 50 mg/mL (328.45 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	6.569 mL	32.845 mL	65.6901 mL
5 mM	1.3138 mL	6.569 mL	13.138 mL
10 mM	0.6569 mL	3.2845 mL	6.569 mL
50 mM	0.1314 mL	0.6569 mL	1.3138 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

Silveira N S D , Oliveira-Silva G L D , Lamanes B D F , et al. The Aversive, Anxiolytic-Like, and Verapamil-Sensitive Psychostimulant Effects of Pulegone[J]. Biological and Pharmaceutical Bulletin, 2014, 37(5):771-778.

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