

## Juvocimene I

## Chemical Properties

CAS No. :	75539-64-9
Formula:	C <sub>20</sub> H <sub>26</sub> O
Molecular Weight:	282.427
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Juvocimene I and II isolated from the essential oil of sweet basil, <i>Ocimum basilicum</i> L are potent juvenile hormone mimics.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5407 mL	17.7035 mL	35.407 mL
5 mM	0.7081 mL	3.5407 mL	7.0814 mL
10 mM	0.3541 mL	1.7704 mL	3.5407 mL
50 mM	0.0708 mL	0.3541 mL	0.7081 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

Nishida R, Bowers WS, Evans PH. Synthesis of highly active juvenile hormone analogs, juvocimene I and II, from the oil of sweet basil, *Ocimum basilicum* L. *J Chem Ecol.* 1984 Oct;10(10):1435-51. doi: 10.1007/BF00990314. PubMed PMID: 24318344.

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