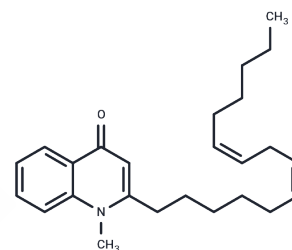


## 1-Methyl-2-[(6Z,9Z)-6,9-pentadecadienyl]-4(1H)-quinolone

### Chemical Properties

CAS No. :	120693-52-9
Formula:	C <sub>25</sub> H <sub>35</sub> NO
Molecular Weight:	365.55
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	1-Methyl-2-[(6Z,9Z)-6,9-pentadecadienyl]-4(1H)-quinolone (IC <sub>50</sub> = 48.2 μM) is an angiotensin II receptor antagonist and a quinolone alkaloid isolated from <i>Euodia rutaecarpa</i> .
Targets(IC50)	Others
In vitro	Methods: The antagonistic activity of 1-Methyl-2-[(6Z,9Z)-6,9-pentadecadienyl]-4(1H)-quinolone against angiotensin II receptors was detected in vitro. Results: 1-Methyl-2-[(6Z,9Z)-6,9-pentadecadienyl]-4(1H)-quinolone is an angiotensin II receptor antagonist with an IC <sub>50</sub> of 48.2 μM [1].

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7356 mL	13.678 mL	27.356 mL
5 mM	0.5471 mL	2.7356 mL	5.4712 mL
10 mM	0.2736 mL	1.3678 mL	2.7356 mL
50 mM	0.0547 mL	0.2736 mL	0.5471 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

Hyun SL, et al. Inhibition of Angiotensin II Receptor Binding by Quinolone Alkaloids from *Evodia rutaecarpa*. *Phytotherapy Research*, VOL. 12, 212-214 (1998)

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