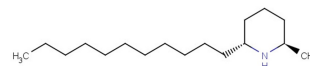


## Solenopsin

## Chemical Properties

CAS No.:	137038-57-4
Formula:	C <sub>17</sub> H <sub>35</sub> N
Molecular Weight:	253.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Solenopsin is an ATP-competitive inhibitor of AKT (IC <sub>50</sub> : 10 μM) .
Targets(IC <sub>50</sub> )	Others: None

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.945 mL	19.726 mL	39.452 mL
5 mM	0.789 mL	3.945 mL	7.89 mL
10 mM	0.395 mL	1.973 mL	3.945 mL
50 mM	0.079 mL	0.395 mL	0.789 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Arbiser JL, et al. Solenopsin, the alkaloidal component of the fire ant (*Solenopsis invicta*), is a naturally occurring inhibitor of phosphatidylinositol-3-kinase signaling and angiogenesis. *Blood*. 2007 Jan 15;109(2):560-5. Epub 2006 Sep 21.

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