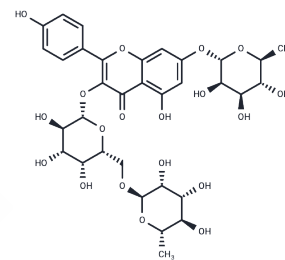


## Robinin

### Chemical Properties

CAS No. :	301-19-9
Formula:	C <sub>33</sub> H <sub>40</sub> O <sub>19</sub>
Molecular Weight:	740.66
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



### Biological Description

Description	Flavone glycoside from Robinia with antibacterial and diuretic properties; derived from kaempferol. The ability of robinin to reverse the multidrug resistance of the human colon cancer cell line Colo 320 expressing MDR1/LRP was explored by monitoring their uptake of Rhodamine 123, but was shown to have minimal effect. Robinin (NSC-9222) was detected in lysates of the human breast cancer cell line MCF-7 using liquid chromatography-tandem mass spectrometry.
Targets(IC50)	Apoptosis,TLR

### Solubility Information

Solubility	Pyridine, Methanol, etc.: Soluble, Ethanol: Soluble, DMSO: 100 mg/mL (135.01 mM), Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (4.46 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.3501 mL	6.7507 mL	13.5015 mL
5 mM	0.270 mL	1.3501 mL	2.7003 mL
10 mM	0.135 mL	0.6751 mL	1.3501 mL
50 mM	0.027 mL	0.135 mL	0.270 mL

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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

Janeesh P A , Sasikala V , Dhanya C R , et al. Robinin modulates TLR/NF- $\kappa$ B signaling pathway in oxidized LDL induced human peripheral blood mononuclear cells[J]. International Immunopharmacology, 2014, 18(1):191-197.

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