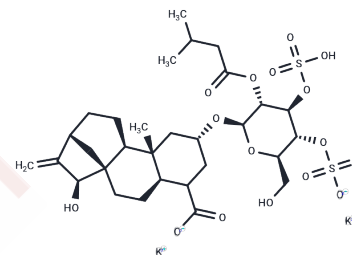


## Atractyloside potassium salt

## Chemical Properties

CAS No. :	102130-43-8
Formula:	C30H44K2O16S2
Molecular Weight:	802.99
Storage:	Keep away from direct sunlight 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. Atractyloside potassium salt (Atractyloside Dipotassium Salt) inhibits oxidative phosphorylation by blocking the transfer of adenosine nucleotides through the mitochondrial membrane.
Targets(IC50)	Others,AMPK,Autophagy,Chloride channel,mTOR

## Solubility Information

Solubility	H2O: 100 mg/mL (124.53 mM),Sonication is recommended. DMSO: 150 mg/mL (186.8 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (12.45 mM),Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (6.23 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	1.2453 mL	6.2267 mL	12.4535 mL
5 mM	0.2491 mL	1.2453 mL	2.4907 mL
10 mM	0.1245 mL	0.6227 mL	1.2453 mL
50 mM	0.0249 mL	0.1245 mL	0.2491 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

Marzo, I., et al.: Science, 281, 2027-2031 (1998)

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