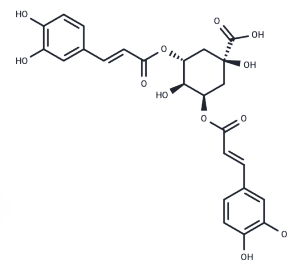


## (-)-3,5-Dicaffeoylquinic acid

## Chemical Properties

CAS No. :	89919-62-0
Formula:	C <sub>25</sub> H <sub>24</sub> O <sub>12</sub>
Molecular Weight:	516.45
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	3,5-O-Dicaffeoylquinic acid (Isochlorogenic Acid A) is an isolated compound from <i>Artemisia argyi</i> ; its ester derivatives exert anti-leucyl-tRNA synthetase of <i>Giardia lamblia</i> (GILeuRS) and potential anti-giardial effects. 3,5-O-Dicaffeoylquinic acid (Isochlorogenic Acid A) as a neuraminidase inhibitory ligand in <i>Flos Loniceræ</i> , it has neuroprotective effects on SH-SY5Y cells and senescence-accelerated-prone mice 8 through the up-regulation of phosphoglycerate kinase-1. 3,5-O-Dicaffeoylquinic acid (Isochlorogenic Acid A) also has antioxidant and anti-complementary activities.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 10 mg/mL (19.36 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: 1 mg/mL (1.94 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	1.9363 mL	9.6815 mL	19.363 mL
5 mM	0.3873 mL	1.9363 mL	3.8726 mL
10 mM	0.1936 mL	0.9681 mL	1.9363 mL
50 mM	0.0387 mL	0.1936 mL	0.3873 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

Han J , Miyamae Y , Shigemori H , et al. Neuroprotective effect of 3,5-di-O-caffeoylquinic acid on SH-SY5Y cells and senescence-accelerated-prone mice 8 through the up-regulation of phosphoglycerate kinase-1[J]. Neuroscience, 2010, 169(3):1039-1045.

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