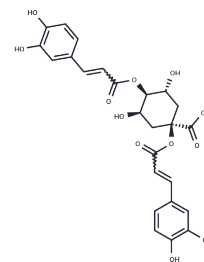


## 1,4-Dicaffeoylquinic acid

### Chemical Properties

CAS No. :	1182-34-9
Formula:	C <sub>25</sub> H <sub>24</sub> O <sub>12</sub>
Molecular Weight:	516.45
Storage:	Store at low temperature, 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	1,4-Dicaffeoylquinic acid has antioxidant activity. 1,4-Dicaffeoylquinic acid is a potent and highly selective class of HIV-1 integrase inhibitors, inhibits HIV-1 replication in MT-2 cell culture at non-toxic concentrations.
Targets(IC50)	HIV Protease, Interleukin, TNF, Xanthine Oxidase

### Solubility Information

Solubility	DMSO: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
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

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

Zhang Z Y, Si D Y, Yi X L, et al. Inhibitory effect of medicinal plant-derived carboxylic acids on the human transporters hOAT1, hOAT3, hOATP1B1, and hOATP2B1[J]. Chinese Journal of Natural Medicines, 2014, 12(2):131-138.

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