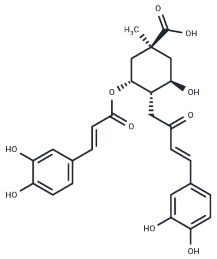
Data Sheet (Cat.No.T2S1158)

TargetMol

4,5-Dicaffeoylquinic acid

Chemical Properties



CAS No. : 57378-72-0

Formula: C25H24O12

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	1. 4,5-Dicaffeoylquinic acid (Isochlorogenic acid C) has antiviral activity, including anti-HIV-1 integrase activity. 2. 4,5-Dicaffeoylquinic acid (Isochlorogenic acid C) shows anti-hepatotoxic activity.
Targets(IC50)	Apoptosis,Endogenous Metabolite,Glucosidase,glycosidase,HBV

Solubility Information

Solubility	DMSO: 250 mg/mL (484.07 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: 2 mg/mL (3.87 mM),Sonication is recommended. *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.*

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

Shaoqing Hu, et al.Evaluation of anti-apoptotic, anti-injury and antihepatitis B virus effects of isochlorogenic acid C in vitro. Journal of Medicinal Plants Research Vol. 6(16), pp. 3199-3206 30 April, 2012

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481