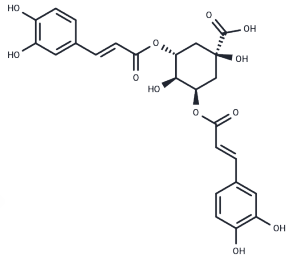
Data Sheet (Cat.No.TL0005)

TargetMol

3,5-O-Dicaffeoylquinic acid

Chemical Properties



CAS No. : 89919-62-0

Formula: C25H24O12

Molecular Weight: 516.45

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	3,5-O-Dicaffeoylquinic acid (Isochlorogenic Acid A) is an isolated compound from Artemisia argyi; its ester derivatives exert anti-leucyl-tRNA synthetase of Giardia lamblia (GlLeuRS) and potential anti-giardial effects. 3,5-O-Dicaffeoylquinic acid (Isochlorogenic Acid A) as a neuraminidase inhibitory ligand in Flos Lonicerae, 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)

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.

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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