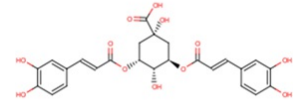


Data Sheet (Cat.No.TL0005)

(-)-3,5-Dicaffeoyl quinic acid

Chemical Properties

CAS No.:	89919-62-0
Formula:	C ₂₅ H ₂₄ O ₁₂
Molecular Weight:	516.45
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	3,5-Dicaffeoylquinic acid 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-di-O-caffeoylquinic acid as a neuraminidase inhibitory ligand in <i>Flos Lonicerae</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-di-O-caffeoylquinic acid also has antioxidant and anti-complementary activities.
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Solubility Information

Solubility	DMSO: 10 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.936 mL	9.681 mL	19.363 mL
5 mM	0.387 mL	1.936 mL	3.873 mL
10 mM	0.194 mL	0.968 mL	1.936 mL
50 mM	0.039 mL	0.194 mL	0.387 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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