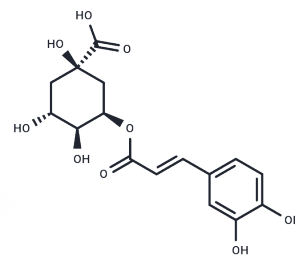


Neochlorogenic acid

Chemical Properties

CAS No. :	906-33-2
Formula:	C ₁₆ H ₁₈ O ₉
Molecular Weight:	354.31
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	Neochlorogenic acid (trans-5-O-Caffeoylquinic acid) is an antioxidant compound used in the treatment of oxidative stress and related afflictions.
Targets(IC50)	NF-κB, Antibacterial, COX, Interleukin, TNF

Solubility Information

Solubility	DMSO: 255 mg/mL (719.71 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8224 mL	14.1119 mL	28.2239 mL
5 mM	0.5645 mL	2.8224 mL	5.6448 mL
10 mM	0.2822 mL	1.4112 mL	2.8224 mL
50 mM	0.0564 mL	0.2822 mL	0.5645 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

Neochlorogenic Acid Inhibits Lipopolysaccharide-Induced Activation and Pro-inflammatory Responses in BV2 Microglial Cells[J]. Neurochemical Research, 2015, 40(9):1792-1798.

Jang S A, Hwang Y H, Kim T, et al. Anti-Osteoporotic and Anti-Adipogenic Effects of the Water Extract of *Drynaria roosii* Nakaike in Ovariectomized Mice Fed a High-Fat Diet. *Molecules*. 2019, 24(17): 3051

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Jung M A, Song H K, Jo K, et al. *Gleditsia sinensis* Lam. aqueous extract attenuates nasal inflammation in allergic rhinitis by inhibiting MUC5AC production through suppression of the STAT3/STAT6 pathway. *Biomedicine & Pharmacotherapy*. 2023, 161: 114482.

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