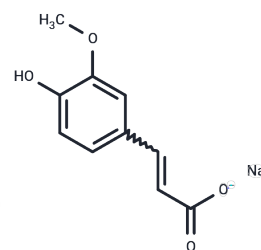


Ferulic acid sodium

Chemical Properties

CAS No. :	24276-84-4
Formula:	C ₁₀ H ₉ NaO ₄
Molecular Weight:	216.16
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	Ferulic acid sodium (Sodium ferulic), the sodium salt of ferulic acid, is a drug used in traditional Chinese medicine for treatment of cardiovascular and cerebrovascular diseases and to prevent thrombosis.
Targets(IC50)	FGFR, Reactive Oxygen Species, 5-HT Receptor, Endogenous Metabolite, ROS

Solubility Information

Solubility	DMSO: 8.07 mg/mL (37.33 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 (9.25 mM), Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6262 mL	23.131 mL	46.262 mL
5 mM	0.9252 mL	4.6262 mL	9.2524 mL
10 mM	0.4626 mL	2.3131 mL	4.6262 mL
50 mM	0.0925 mL	0.4626 mL	0.9252 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

Lampiasi N, et al. The molecular events behind ferulic acid mediated modulation of IL-6 expression in LPS-activated Raw 264.7 cells. Immunobiology. 2015 Nov 10.

Zhang H, Cai J, Li C, et al. Wogonin inhibits latent HIV-1 reactivation by downregulating histone crotonylation. Phytomedicine. 2023: 154855.

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