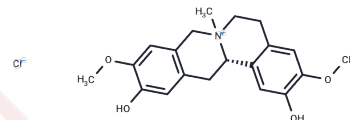


Phellodendrine chloride

Chemical Properties

CAS No. :	104112-82-5
Formula:	C ₂₀ H ₂₄ ClNO ₄
Molecular Weight:	377.86
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Phellodendrine chloride has anti-nephritic activity, may be due to its ability to inhibit the proliferation or the migration of macrophages and cytotoxic T lymphocytes in the glomeruli.
Targets(IC50)	Others, Autophagy

Solubility Information

Solubility	DMSO: 33 mg/mL (87.33 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: 5 mg/mL (13.23 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	2.6465 mL	13.2324 mL	26.4648 mL
5 mM	0.5293 mL	2.6465 mL	5.293 mL
10 mM	0.2646 mL	1.3232 mL	2.6465 mL
50 mM	0.0529 mL	0.2646 mL	0.5293 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

Yin F, et al. DECOCTION PROCESS OPTIMIZATION AND QUALITY EVALUATION OF YI-HUANG DECOCTION BY HPLC FINGERPRINT ANALYSIS. Acta Pol Pharm. 2016 Jul;73(4):855-864.

Mori H, et al. Principle of the bark of Phellodendron amurense to suppress the cellular immune response. Planta Med. 1994 Oct;60(5):445-9.

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