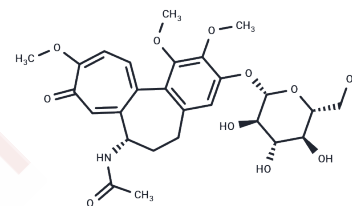


Colchicoside

Chemical Properties

CAS No. :	477-29-2
Formula:	C ₂₇ H ₃₃ N ₁ O ₁₁
Molecular Weight:	547.55
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	Colchicoside (3-Demethylcolchicine glucoside) is extracted from <i>Gloriosa superba</i> and shows efficacy in a murine model of pancreatic adenocarcinoma.
Targets(IC50)	Others,Parasite
In vitro	Colchicoside (1 and 10 μ M) increases levels of CYP2C9 and CYP2E1 in primary human hepatocytes[3].

Solubility Information

Solubility	DMF: 27 mg/mL (49.31 mM),Sonication is recommended. DMSO: 150 mg/mL (273.95 mM),Sonication is recommended. PBS (pH 7.2): 10 mg/mL (18.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (18.26 mM),Solution. <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	1.8263 mL	9.1316 mL	18.2632 mL
5 mM	0.3653 mL	1.8263 mL	3.6526 mL
10 mM	0.1826 mL	0.9132 mL	1.8263 mL
50 mM	0.0365 mL	0.1826 mL	0.3653 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

- Capistrano I R, et al. Coadministration of a *Gloriosa superba* extract improves the in vivo antitumoural activity of gemcitabine in a murine pancreatic tumour model. *Phytomedicine*. 2016 Nov 15;23(12):1434-1440.
- Sugio K, et al. Separation of tubulin-binding and anti-inflammatory activity in colchicine analogs and congeners. *Life Sci*. 1987 Jan 5;40(1):35-9.
- Dvorák Z, Ulrichová J, Modrianský M, Maurel P. Effect of colchicine and its derivatives on the expression of selected isoforms of cytochrome P450 in primary cultures of human hepatocytes. *Acta Univ Palacki Olomuc Fac Med*. 2000; 143:47-50.

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