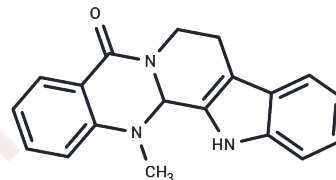


(±)-Evodiamine**Chemical Properties**

CAS No. :	518-18-3
Formula:	C ₁₉ H ₁₇ N ₃ O
Molecular Weight:	303.36
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	(±)-Evodiamine is an alkaloid isolated from Evodiae fructus and a topoisomerase I inhibitor. It also inhibits adipocyte differentiation and diabetes by downregulating IGF-1/HIF-1 α and IL-6/STAT pathways. As an inhibitor of NF- κ B activation, it suppresses invasion, promotes apoptosis, and inhibits TNF-induced Akt activation.
Targets(IC50)	Apoptosis,HIF,STAT,IGF-1R,IL Receptor,Topoisomerase

Solubility Information

Solubility	DMSO: 8 mg/mL (26.37 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 0.5 mg/mL (1.65 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	3.2964 mL	16.4821 mL	32.9641 mL
5 mM	0.6593 mL	3.2964 mL	6.5928 mL
10 mM	0.3296 mL	1.6482 mL	3.2964 mL
50 mM	0.0659 mL	0.3296 mL	0.6593 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

Dong G, et, al. New tricks for an old natural product: discovery of highly potent evodiamine derivatives as novel antitumor agents by systemic structure-activity relationship analysis and biological evaluations. J Med Chem. 2012 Sep 13;55(17):7593-613.

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