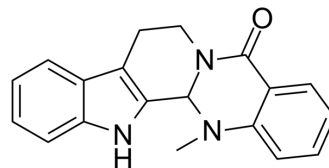


(±)-Evodiamine

Cat. No.:	HY-N0114A		
CAS No.:	518-18-3		
Molecular Formula:	C ₁₉ H ₁₇ N ₃ O		
Molecular Weight:	303.36		
Target:	Topoisomerase; Apoptosis		
Pathway:	Cell Cycle/DNA Damage; Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 10 mg/mL (32.96 mM); ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1 mg/mL (3.30 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	(±)-Evodiamine, a quinazolinocarboline alkaloid, is a Top1 inhibitor. Evodiamine exhibits anti-inflammatory, antiobesity, and antitumor effects. (±)-Evodiamine inhibits the proliferation of a wide variety of tumor cells by inducing their apoptosis ^[1] .
IC₅₀ & Target	Top1

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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