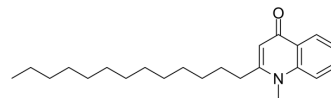


Dihydroevocarpine

Cat. No.:	HY-N2517
CAS No.:	15266-35-0
Molecular Formula:	C ₂₃ H ₃₅ NO
Molecular Weight:	341.53
Target:	mTOR
Pathway:	PI3K/Akt/mTOR
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 16.67 mg/mL (48.81 mM); ultrasonic and warming and heat to 60°C				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.9280 mL	14.6400 mL	29.2800 mL
		5 mM	0.5856 mL	2.9280 mL	5.8560 mL
		10 mM	0.2928 mL	1.4640 mL	2.9280 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: 1.67 mg/mL (4.89 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Dihydroevocarpine induces cytotoxicity in acute myeloid leukemia via suppressing the mTORC1/2 activity ^[1] .
-------------	---

REFERENCES

[1]. Zhang S, et al. Targeting of mTORC1/2 by dihydroevocarpine induces cytotoxicity in acute myeloid leukemia. J Cell Physiol. 2019;234(8):13032-13041.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA