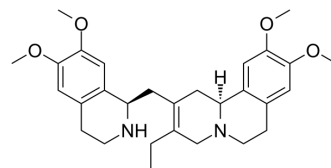


Dehydroemetine

Cat. No.:	HY-121241		
CAS No.:	4914-30-1		
Molecular Formula:	C ₂₉ H ₃₈ N ₂ O ₄		
Molecular Weight:	478.62		
Target:	Parasite		
Pathway:	Anti-infection		
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 : 50 mg/mL (104.47 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0893 mL	10.4467 mL	20.8934 mL
	5 mM	0.4179 mL	2.0893 mL	4.1787 mL
	10 mM	0.2089 mL	1.0447 mL	2.0893 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (5.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.22 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Dehydroemetine, a synthetic analogue of emetine dihydrochloride, is used for visceral leishmaniasis. Dehydroemetine used for anti-parasites^[1].

REFERENCES

- [1]. Fouarge M, et al. Development of dehydroemetine nanoparticles for the treatment of visceral leishmaniasis. J Microencapsul. 1989 Jan-Mar;6(1):29-34.

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

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