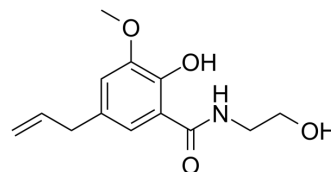


Alibendol

Cat. No.:	HY-B0326		
CAS No.:	26750-81-2		
Molecular Formula:	C ₁₃ H ₁₇ NO ₄		
Molecular Weight:	251.28		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (397.96 mM)
 H₂O : 0.91 mg/mL (3.62 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		3.9796 mL	19.8981 mL	39.7962 mL
	5 mM		0.7959 mL	3.9796 mL	7.9592 mL
	10 mM		0.3980 mL	1.9898 mL	3.9796 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 (9.95 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (9.95 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (9.95 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Alibendol is an antispasmodic, choleric, and cholekinetic. Target: Others administration of alibendol in beagle dogs, observed retention times were approximately 5.0 min for alibendol. The within-run precision showed RSD values between 5.83 and 16.96 %. The between-run RSD values varied from 6.73 to 17.99 % at the LLOQ [1].

REFERENCES

[1]. Sheng, L., H. Chen, and Y. Li, A HPLC method for determination of nicousamide in dog plasma and its application to pharmacokinetic studies. J Chromatogr B Analyt Technol Biomed Life Sci, 2007. 854(1-2): p. 99-103.

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

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