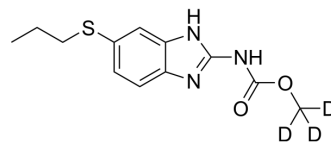


## Albendazole-d<sub>3</sub>

Cat. No.:	HY-B0223S	
CAS No.:	1353867-92-1	
Molecular Formula:	C <sub>12</sub> H <sub>12</sub> D <sub>3</sub> N <sub>3</sub> O <sub>2</sub> S	
Molecular Weight:	268.35	
Target:	Parasite	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 20 mg/mL (74.53 mM; Need ultrasonic)  
 H<sub>2</sub>O : 0.67 mg/mL (2.50 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7265 mL	18.6324 mL	37.2648 mL
	5 mM	0.7453 mL	3.7265 mL	7.4530 mL
	10 mM	0.3726 mL	1.8632 mL	3.7265 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Albendazole-d<sub>3</sub> is the deuterium labeled Albendazole, which is a member of the benzimidazole compounds used as a agent indicated for the treatment of a variety of worm infestations[1].

### REFERENCES

[1]. Theodorides VJ, et al. Anthelmintic activity of albendazole against liver flukes, tapeworms., lung and gastrointestinal roundworms. *Experientia*. 1976 Jun 15;32(6):702-3.

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

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