

## Albendazole-D3

## Chemical Properties

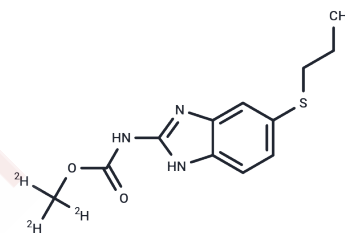
CAS No. : 1353867-92-1

Formula: C<sub>12</sub>H<sub>15</sub>N<sub>3</sub>O<sub>2</sub>S

Molecular Weight: 268.35

Storage: Store at low temperature, Keep away from moisture  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Albendazole-D3 is an anthelmintic and can be used to study the metabolism of Albendazole (T1152) in vivo.
Targets(IC50)	Parasite

## Solubility Information

Solubility	DMSO: 15 mg/mL (55.9 mM), Sonication is recommended. H <sub>2</sub> O: < 1 mg/mL (3.73 mM, insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7265 mL	18.6324 mL	37.2648 mL
5 mM	0.7453 mL	3.7265 mL	7.453 mL
10 mM	0.3726 mL	1.8632 mL	3.7265 mL
50 mM	0.0745 mL	0.3726 mL	0.7453 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Pourgholami MH, et al. In vitro and in vivo suppression of growth of hepatocellular carcinoma cells by albendazole. *Cancer Lett.* 2001 Apr 10;165(1):43-9.

Jung YY, et al. Regulation of apoptosis and autophagy by albendazole in human colon adenocarcinoma cells. *Biochimie.* 2022 Jul;198:155-166.

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