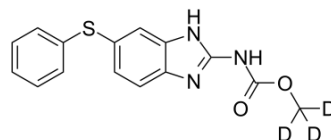


## Fenbendazole-d3

Cat. No.:	HY-B0413S
CAS No.:	1228182-47-5
Molecular Formula:	C <sub>15</sub> H <sub>10</sub> D <sub>3</sub> N <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	302.37
Target:	Parasite; HIF/HIF Prolyl-Hydroxylase; Antibiotic
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Fenbendazole-d3 is a deuterium labeled Fenbendazole. Fenbendazole is a benzimidazole anthelmintic. Fenbendazole is active against *Giardia* in vitro ( $IC_{50} = 0.3 \mu M$ ). Fenbendazole (20 mg/kg) prevents infiltration of parasites into the brain in a rabbit model of *E. cuniculi* infection. Fenbendazole also activates HIF-1 $\alpha$  and prevents oxidative stress-induced death in primary neurons in vitro.

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

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