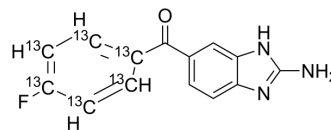


2-Aminoflubendazole-¹³C₆

Cat. No.:	HY-133694S
Molecular Formula:	C ₈ ¹³ C ₆ H ₁₀ FN ₃ O
Molecular Weight:	261.2
Target:	Drug Metabolite; Isotope-Labeled Compounds
Pathway:	Metabolic Enzyme/Protease; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	2-Aminoflubendazole- ¹³ C ₆ is the ¹³ C ₆ labeled 2-Aminoflubendazole. 2-Aminoflubendazole is the metabolite of Benzimidazoles. Benzimidazoles (BZ) are a class of agents with activities against fungi, protozoa, and helminthes.
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Jaeger LH, et al. Status of benzimidazole resistance in intestinal nematode populations of livestock in Brazil: a systematic review. BMC Vet Res. 2017;13(1):358. Published 2017 Nov 25.
- [2]. Marija Denžić Lugomer, et al. Determination of benzimidazole residues and their metabolites in raw milk using high performance liquid chromatography-diode array detection.
- [3]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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

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