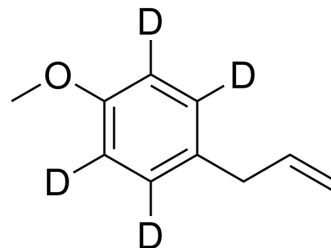


Estragole-d₄

Cat. No.:	HY-N5060S
CAS No.:	1335401-40-5
Molecular Formula:	C ₁₀ H ₈ D ₄ O
Molecular Weight:	152.23
Target:	Parasite; Isotope-Labeled Compounds
Pathway:	Anti-infection; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Estragole-d ₄ is deuterated labeled S-Phenyl-d ₅ -mercapturic Acid (HY-W654314). S-Phenyl is deuterated labeled S-Phenyl.
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]. Leal-Cardoso JH, et al. Effects of estragole on the compound action potential of the rat sciatic nerve. *Braz J Med Biol Res.* 2004 Aug;37(8):1193-8.
- [2]. Oliveira CB, et al. Anti-Toxoplasma Activity of Estragole and Thymol in Murine Models of Congenital and Noncongenital Toxoplasmosis. *J Parasitol.* 2016 Jun;102(3):369-76.
- [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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