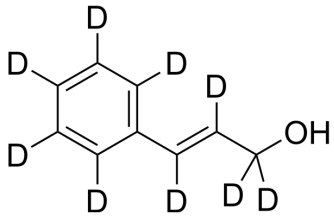
Cinnamyl Alcohol-d_9

Cat. No.:	HY-Y0078S1
Molecular Formula:	C_9HD_9O
Molecular Weight:	143.23
Target:	PPAR; Isotope-Labeled Compounds
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cinnamyl Alcohol-d_9 is deuterated labeled 3-Methoxyphenol (HY-Y1840). 3-Methoxyphenol is a phenolic compound that is biologically toxic. 3-Methoxyphenol is systemically absorbed, disrupts the function of the liver, kidneys, central nervous system, and redox processes, and increases levels of Hb, red blood cells, and white blood cells in the body.
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]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA