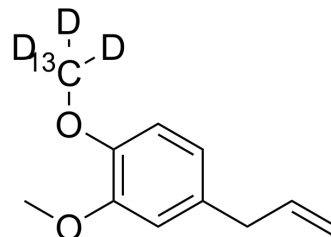


Methyl Eugenol-¹³C,₃D₃

Cat. No.:	HY-N6996S
Molecular Formula:	C ₁₀ ¹³ CH ₁₁ D ₃ O ₂
Molecular Weight:	182.24
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Methyl Eugenol- ¹³ C, ₃ D ₃ is the ¹³ C- and deuterium labeled Methyl Eugenol. Methyl Eugenol, a phenylpropanoid chemical in leaves, fruits, stems, and/or roots, may be released when that corresponding part of a plant is damaged as a result of feeding by an herbivore. Methyl Eugenol is used for male annihilation of the oriental fruit fly[1].
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 ^[57] . 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;53(2):211-223.
- [2]. Tan KH, et al. Methyl eugenol: its occurrence, distribution, and role in nature, especially in relation to insect behavior and pollination. *J Insect Sci*. 2012;12:56.

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

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