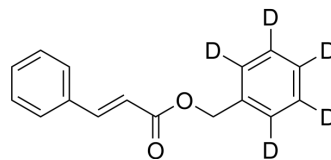


Benzyl cinnamate-d₅

Cat. No.:	HY-N7090S
CAS No.:	347840-02-2
Molecular Formula:	C ₁₆ H ₉ D ₅ O ₂
Molecular Weight:	243.31
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



BIOLOGICAL ACTIVITY

Description	Benzyl cinnamate-d ₅ is the deuterium labeled Benzyl cinnamate[1]. Benzyl cinnamate, occurs in Balsam of Peru and Tolu balsam, in Sumatra and Penang benzoin, and as the main constituent of copaiba balsam, is used in heavy oriental perfumes and as a fixative[2].
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.
- [2]. Bhatia SP, et al. Fragrance material review on benzyl cinnamate. *Food Chem Toxicol*. 2007;45 Suppl 1:S40-8. Epub 2007 Sep 14.

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

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