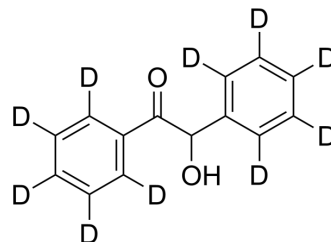


Benzoin-d₁₀

Cat. No.:	HY-B1550S
CAS No.:	56830-64-9
Molecular Formula:	C ₁₄ H ₂ D ₁₀ O ₂
Molecular Weight:	222.31
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Benzoin-d ₁₀ is the deuterium labeled Benzoin[1]. Benzoin is a kind of alsamic resin isolated from the styracaceae family. Benzoin can be used as a colour additive used for marking plants[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]. COMPOUND SUMMARY. Benzoin

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

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