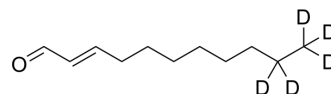


trans-2-Undecenal-d₅

Cat. No.:	HY-W127505S
Molecular Formula:	C ₁₁ H ₁₅ D ₅ O
Molecular Weight:	173.31
Target:	Biochemical Assay Reagents; Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	trans-2-Undecenal-d ₅ is deuterated labeled 4-Vinylphenol (HY-W005288). 4-Vinylphenol is found in the medicinal herb <i>Hedyotis diffusa</i> Willd, wild rice and is also the metabolite of p-coumaric and ferulic acid by lactic acid bacteria in wine. 4-Vinylphenol induces apoptosis and inhibits blood vessels formation and suppresses invasive breast tumor growth in vivo ^[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 ^[1] . trans-2-Undecenal is a biochemical reagent that can be used as a biological material or organic compound for life science related research. 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.

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

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