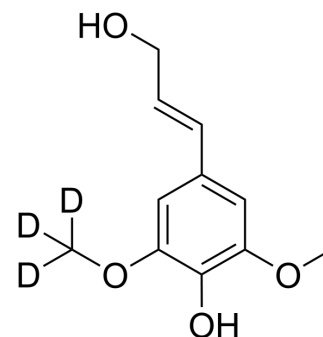


Sinapyl alcohol-d₃

Cat. No.:	HY-W109812S
CAS No.:	934634-29-4
Molecular Formula:	C ₁₁ H ₁₁ D ₃ O ₄
Molecular Weight:	213.24
Target:	Isotope-Labeled Compounds; COX
Pathway:	Others; Immunology/Inflammation
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	Sinapyl alcohol-d ₃ is the deuterated labeled Sinapyl alcohol (HY-W109812). Sinapyl alcohol is an orally active anti-inflammatory and antinociceptive agent. Sinapyl alcohol reduces the expression level of inducible NO synthase and COX-2 ^[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] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Choi J, et al. Anti-inflammatory and antinociceptive effects of sinapyl alcohol and its glucoside syringin. *Planta Med.* 2004 Nov;70(11):1027-32.
- [2]. Choi J, et al. Anti-inflammatory and antinociceptive effects of sinapyl alcohol and its glucoside syringin. *Planta Med.* 2004 Nov;70(11):1027-32.

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

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