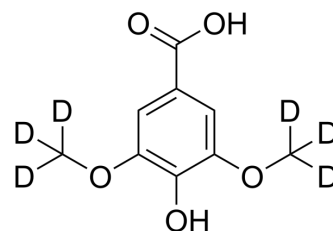


Syringic acid-d₆

Cat. No.:	HY-N0339S
CAS No.:	84759-06-8
Molecular Formula:	C ₉ H ₄ D ₆ O ₅
Molecular Weight:	204.21
Target:	Bacterial; Endogenous Metabolite
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Syringic acid-d ₆ is the deuterium labeled Syringic acid[1]. Syringic acid is correlated with high antioxidant activity and inhibition of LDL oxidation[2][3].
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]. Forester SC, et al. Identification of Cabernet Sauvignon anthocyanin gut microflora metabolites. *J Agric Food Chem*. 2008 Oct 8;56(19):9299-304.
- [3]. Kalkan Yildirim H, et al. Protection capacity against low-density lipoprotein oxidation and antioxidant potential of some organic and non-organic wines. *Int J Food Sci Nutr*. 2004 Aug55(5):351-62.

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

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