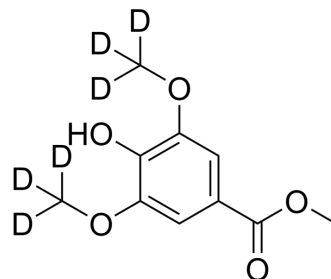


Methyl syringate-d₆

Cat. No.:	HY-W002116S
CAS No.:	1182838-09-0
Molecular Formula:	C ₁₀ H ₆ D ₆ O ₅
Molecular Weight:	218.24
Target:	TRP Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Methyl syringate-d ₆ is the deuterium labeled Methyl syringate[1]. Methyl syringate, a chemical marker of asphodel monofloral honey, is an efficient phenolic mediator for bacterial and fungal laccases. Methyl syringate is a TRPA1 agonist[2][3][4].
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]. Tuberoso CI, et al. Methyl syringate: a chemical marker of asphodel (*Asphodelus microcarpus* Salzm. et Viv.) monofloral honey. *J Agric Food Chem*. 2009 May 13;57(9):3895-900.
- [3]. Rosado T, et al. Methyl syringate: an efficient phenolic mediator for bacterial and fungal laccases. *Bioresour Technol*. 2012 Nov124:371-8.
- [4]. Kim MJ, et al. The TRPA1 agonist, methyl syringate suppresses food intake and gastric emptying. *PLoS One*. 2013 Aug 218(8):e71603.

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

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