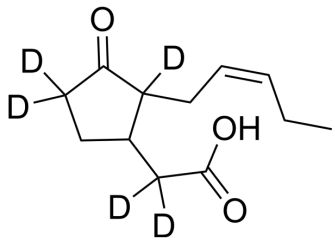
(±)-Jasmonic acid-d_5

Cat. No.:	HY-122464S2
CAS No.:	2750534-78-0
Molecular Formula:	$C_{12}H_{13}D_5O_3$
Molecular Weight:	215.3
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Solution, -20°C, 2 years



BIOLOGICAL ACTIVITY

Description	(±)-Jasmonic acid-d_5 is the deuterium labeled (±)-Jasmonic acid. (±)-Jasmonic acid is a plant growth regulator and a derivative of α-linolenic acid. (±)-Jasmonic acid decreases chlorophyll levels in green and etiolated barley leaf segments and inhibits elongation of rice seedlings.
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;53(2):211-216.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA