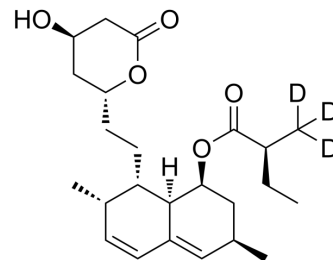


Lovastatin-d₃

Cat. No.:	HY-N0504S2
CAS No.:	1002345-93-8
Molecular Formula:	C ₂₄ H ₃₃ D ₃ O ₅
Molecular Weight:	407.56
Target:	Autophagy; HMG-CoA Reductase (HMGR); Ferroptosis; Isotope-Labeled Compounds
Pathway:	Autophagy; Metabolic Enzyme/Protease; Apoptosis; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Lovastatin-d ₃ is deuterium labeled Lovastatin. Lovastatin is a cell-permeable HMG-CoA reductase inhibitor used to lower cholesterol.
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

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- [4]. Ifergan I, et al. Statins reduce human blood-brain barrier permeability and restrict leukocyte migration: relevance to multiple sclerosis. *Ann Neurol*. 2006 Jul;60(1):45-55.
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Caution: Product has not been fully validated for medical applications. For research use only.

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