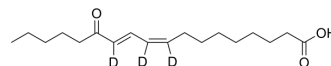


## 13-Oxo-ODE-d<sub>3</sub>

Cat. No.:	HY-131376S
Molecular Formula:	C <sub>18</sub> H <sub>27</sub> D <sub>3</sub> O <sub>3</sub>
Molecular Weight:	297.45
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	13-Oxo-ODE-d <sub>3</sub> is deuterated labeled 13-Oxo-ODE (HY-131376) 13-Oxo-ODE is an octadecadienoic acid, that can be isolated from moxa and the leaves of <i>Artemisia argyi</i> .
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 <sup>[1]</sup> . 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.
- [2]. Yoshikawa M, et al. Bioactive constituents of Chinese natural medicines. I. New sesquiterpene ketones with vasorelaxant effect from Chinese moxa, the processed leaves of *Artemisia argyi* Levl. et Vant.: moxartenone and moxartenolide. *Chem Pharm Bull (Tokyo)*. 1996 Sep;44(9):1656-62.

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

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