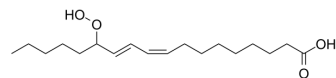


## (±)13-HpODE

Cat. No.:	HY-110406A
CAS No.:	23017-93-8
Molecular Formula:	C <sub>18</sub> H <sub>32</sub> O <sub>4</sub>
Molecular Weight:	312.44
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	(±)13-HpODE (13-hydroperoxylinoleic acid) is a racemic mixture of hydroperoxides, which is produced by the oxidation of linoleic acid by lipoxygenase <sup>[1]</sup> .
<b>In Vitro</b>	A lipoxygenase involved in sex determination in maize, which was predicted to be a 13-lipoxygenase and has a phenylalanine in this position, actually produces a 1:1 mixture of (±)13-HpODE (13-hydroperoxylinoleic acid) and 9-HPOD <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Dillon Hershelman, et al. Oxygenation reactions catalyzed by the F557V mutant of soybean lipoxygenase-1: Evidence for two orientations of substrate binding. Arch Biochem Biophys. 2019 Oct 15;674:108082.

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

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