



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC Handels GmbH

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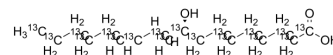
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## 9(S)-HODE-<sup>13</sup>C<sub>18</sub>

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-113455S1                                                                               |
| Molecular Formula: | <sup>13</sup> C <sub>18</sub> H <sub>32</sub> O <sub>3</sub>                              |
| Molecular Weight:  | 314.31                                                                                    |
| Target:            | Isotope-Labeled Compounds; Endogenous Metabolite; Apoptosis                               |
| Pathway:           | Others; Metabolic Enzyme/Protease; Apoptosis                                              |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

#### Description

9(S)-HODE-<sup>13</sup>C<sub>18</sub> ((+)-α-Dimorphecolic acid-<sup>13</sup>C<sub>18</sub>) is <sup>13</sup>C labeled 9S-HODE. 9S-HODE (Alpha-dimorphecolic acid) is an octadecadienoic acid and the main active derivative of linoleic acid, which can reduce the viability of HL-60 cells and induce apoptosis. 9S-HODE is rich in lipid peroxidation (LPO) products and is almost an ideal marker for LPO<sup>[1][2]</sup>.

### REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.
- [2]. Liu S, et al. Linoleic acid derivatives target miR-361-3p/BTG2 to confer anticancer effects in acute myeloid leukemia. J Biochem Mol Toxicol. 2023 Nov;37(11):e23481.
- [3]. Spiteller P, et al. 9-Hydroxy-10, 12-octadecadienoic acid (9-HODE) and 13-hydroxy-9, 11-octadecadienoic acid (13-HODE): excellent markers for lipid peroxidation[J]. Chemistry and Physics of Lipids, 1997, 89(2): 131-139.

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

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