



# 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 HandelsgmbH

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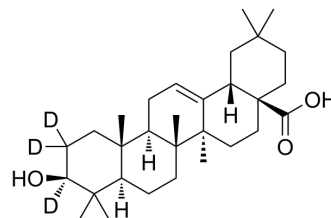
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## Oleanolic acid-d<sub>3</sub>

|                    |                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-N0156S                                                                                 |
| CAS No.:           | 946530-77-4                                                                               |
| Molecular Formula: | C <sub>30</sub> H <sub>45</sub> D <sub>3</sub> O <sub>3</sub>                             |
| Molecular Weight:  | 459.72                                                                                    |
| Target:            | Autophagy; HIV; Endogenous Metabolite                                                     |
| Pathway:           | Autophagy; Anti-infection; Metabolic Enzyme/Protease                                      |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Oleanolic acid-d <sub>3</sub> is the deuterium labeled Oleanolic Acid[1]. Oleanolic acid (Caryophyllin) is a natural compound from plants with anti-tumor activities[2].                                                                                                                                                                                                                                                       |
| 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> .<br>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 Feb;53(2):211-216.
- [2]. Zhao X, et al. Oleanolic acid suppresses the proliferation of lung carcinoma cells by miR-122/Cyclin G1/MEF2D axis. *Mol Cell Biochem*. 2015 Feb;400(1-2):1-7.

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

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