



# SZABO SCANDIC

Part of Europa Biosite

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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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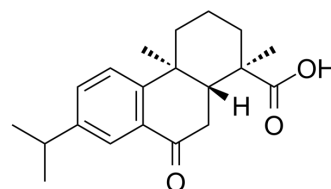
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## 7-Oxodehydroabietic acid

|                    |                                                                                                |
|--------------------|------------------------------------------------------------------------------------------------|
| Cat. No.:          | HY-133620                                                                                      |
| CAS No.:           | 18684-55-4                                                                                     |
| Molecular Formula: | C <sub>20</sub> H <sub>26</sub> O <sub>3</sub>                                                 |
| Molecular Weight:  | 314.42                                                                                         |
| Target:            | Others                                                                                         |
| Pathway:           | Others                                                                                         |
| Storage:           | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



### BIOLOGICAL ACTIVITY

|             |                                                                                                                                                                                                                                                       |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | 7-Oxodehydroabietic acid is a diterpene resin acid isolated from the roots of the pine <i>Pinus densiflora</i> . 7-Oxodehydroabietic acid play a defensive role against herbivorous insects via insect endocrine-disrupting activity <sup>[1]</sup> . |
| In Vitro    | 7-Oxodehydroabietic acid significantly affects the growth of <i>P. interpunctella</i> larvae <sup>[2]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only.                                      |

### REFERENCES

- [1]. Hyun-Woo Oh, et al. Conifer Diterpene Resin Acids Disrupt Juvenile Hormone-Mediated Endocrine Regulation in the Indian Meal Moth *Plodia interpunctella*. *J Chem Ecol.* 2017 Jul;43(7):703-711.
- [2]. Hisashi Kato-Noguchi, et al. Involvement of allelopathy in inhibition of understory growth in red pine forests. *J Plant Physiol.* 2017 Nov;218:66-73.

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

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