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**Product Data Sheet**

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Product Name: 7-Oxodehydroabietic acid

Cat. No.: GC64449

**Chemical Properties**

Cas. No. 18684-55-4

Formula C<sub>20</sub>H<sub>26</sub>O<sub>3</sub>

M.Wt

314.42

Solubility

Storage

Store at -20°C

General tips

For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

7-Oxodehydroabietic acid is a diterpene resin acid isolated from the roots of the pine *Pinus densiflora*. 7-Oxodehydroabietic acid play a defensive role against herbivorous insects via insect endocrine-disrupting activity[1].

7-Oxodehydroabietic acid significantly affects the growth of *P. interpunctella* larvae[2].

[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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