

Product Data Sheet

Product Name: (±)-Tuberonic Acid

Cat. No.: GC49510

Chemical Properties

Cas. No. 221682-86-6

SMILES OC(CC1C(C(CC1)=O)C/C=C\CCO)=O

Formula C₁₂H₁₈O₄

M.Wt 226.3

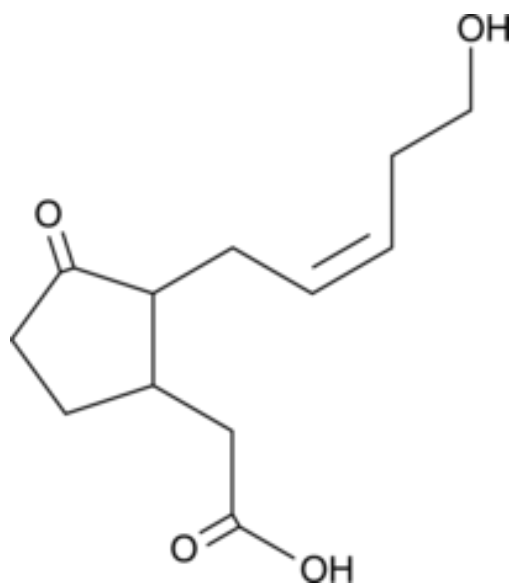
Solubility Methanol: slightly

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

(±)-Tuberonic acid is a derivative of the plant growth regulator jasmonic acid that has been found in *M. oleifera*.^{1,2}

1. Seto, Y., Hamada, S., Ito, H., et al. Tobacco salicylic acid glucosyltransferase is active toward

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

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tuberonic acid (12-hydroxyjasmonic acid) and is induced by mechanical wounding stress *Biosci. Biotechnol. Biochem.* 75(12)2316-2320(2011) 2. Luetragoon, T., Sranujit, R.P., Noysang, C., et al. Bioactive compounds in *Moringa oleifera* Lam. leaves inhibit the pro-inflammatory mediators in Lipopolysaccharide-induced human monocyte-derived macrophages *Molecules* 25(1)191(2020)

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