

Product Data Sheet

Product Name: (-)-Camphoric acid

Cat. No.: GC61646

Chemical Properties

Cas. No. 560-09-8

SMILES O=C([C@]1(C)C(C)(C)[C@H](C(O)=O)CC1)O

Formula $C_{10}H_{16}O_4$ M.Wt 200.23

Solubility DMSO : 125 mg/mL (624.28 mM; Storage Store at -20°C
Need ultrasonic)

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.

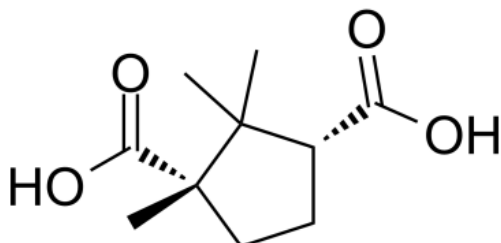
Caution: Product has not been fully validated for medical applications. For research use only.

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Structure



Background

(-)-Camphoric acid is the less active enantiomer of Camphoric acid. Camphoric acid stimulates osteoblast differentiation and induces glutamate receptor expression. Camphoric acid also significantly induced the activation of NF- κ B and AP-1[1].

[1]. Su-Ui Lee, et al. Camphoric acid stimulates osteoblast differentiation and induces glutamate receptor expression. Amino Acids. 2010 Jan;38(1):85-93.

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