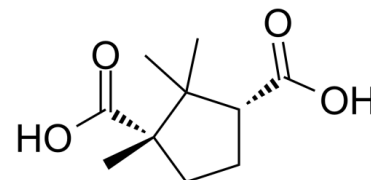


Data Sheet

Product Name:	(-)-Camphoric acid
Cat. No.:	CS-0089518
CAS No.:	560-09-8
Molecular Formula:	C ₁₀ H ₁₆ O ₄
Molecular Weight:	200.23
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Solubility:	DMSO : 125 mg/mL (624.28 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

(-)-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-κB and AP-1^[1].

References:

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

CAIndexNames:

1,3-Cyclopentanedicarboxylic acid, 1,2,2-trimethyl-, (1S,3R)-

SMILES:

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

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

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