
Product Data Sheet

Product Name: Camellianin A

Cat. No.: GC35598

Chemical Properties

Cas. No. 109232-77-1

SMILES O[C@@H]([C@@H](O)[C@@H]1O[C@@](O[C@@H](C)[C@H](O)[C@H]2O)([H])[C@@H]2O)[C@@H](O[C@@H]1COC(C)=O)OC3=C(C4=O)C(OC(C5=CC=C(O)C=C5)=C4)=CC(O)=C3

Formula C₂₉H₃₂O₁₅ M.Wt 620.56

Solubility Soluble in DMSO 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**

Camellianin A, the main flavonoid in *A. nitida* leaves, displays anticancer activity and angiotensin converting enzyme (ACE)-inhibitory activity. Camellianin A inhibits the proliferation of the human Hep G2 and MCF-7 cell lines and induces the significant increase of the G0/G1 cell population[1][2].

[1]. Gao H, et al. Anti-proliferative effect of camellianin A in *Adinandra nitida* leaves and its apoptotic induction in human Hep G2 and MCF-7 cells. *Molecules*. 2010 May 28;15(6):3878-86. [2]. Liu B, et al. Antioxidant and angiotensin converting enzyme (ACE) inhibitory activities of ethanol extract and pure flavonoids from *Adinandra nitida* leaves. *Pharm Biol*. 2010 Dec;48(12):1432-8.

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

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