
Product Data Sheet

Product Name: 7-Prenyloxyaromadendrin

Cat. No.: GC60539

Chemical Properties

Cas. No. 78876-50-3

SMILES O=C1[C@H](O)[C@@H](C2=CC=C(O)C=C2)OC3=CC(OC/C=C(C)/C)=CC(O)=C13Formula C₂₀H₂₀O₆ M.Wt 356.37

Solubility Storage 4°C, protect from light

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-Prenyloxyaromadendrin is a flavonoid from *Pterocaulon alopecuroides* with antitumor activity. 7-Prenyloxyaromadendrin shows good antiproliferative activity in tumor cell lines[1][2].

7-Prenyloxyaromadendrin (compound 5) shows antiproliferative activity with GI₅₀ values in the range 16-20 μM in A549, HBL-100, HeLa, SW1573, T-47D cells[2]. 7-Prenyloxyaromadendrin (compound 5) is inactive on *B. subtilis* and *B. cereus* (there is no zone of inhibition at the concentration of 50 μg/disk)[1].

[1]. Rosana Alarcón, et al. Flavonoids from *Pterocaulon alopecuroides* with antibacterial activity. *Planta Med.* 2008 Oct;74(12):1463-7. [2]. Quirico A Castillo, et al. Secondary Metabolites from *Pterocaulon alopecuroides* and their Antiproliferative Activities. *Pharmacognosy Journal*,2019,11,3,493-495.

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

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