

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)=C13

Formula $C_{20}H_{20}O_6$

M.Wt 356.37

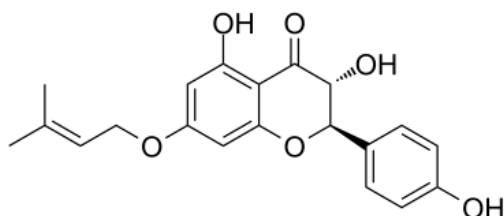
Solubility

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].

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

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[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.

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