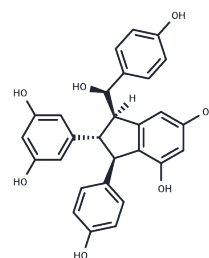


Leachianol G

Chemical Properties

CAS No. :	164204-62-0
Formula:	C ₂₈ H ₂₄ O ₇
Molecular Weight:	472.493
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Leachianol G is a natural product for research related to life sciences. The catalog number is TN6477 and the CAS number is 164204-62-0.
In vitro	METHODS AND RESULTS: Peroxidase extracted from <i>Momordica charantia</i> was used for the oligomerization of trans-resveratrol and ferulic acid on a preparative scale. One new heterocoupling oligomer, trans-3 E-3-[(4-hydroxy-3-methoxyphenyl)methylene]-4-(3,5-dihydroxyphenyl)-5-(4-hydroxyphenyl)tetrahydro-2-franone (6), and six resveratrol dimers, Leachianol G (1), restrytisol B (2), parthenostilbenins A (3) and B (5), 7- O-acetylated Leachianol G (4), and resveratrol trans-dehydrodimer (8), and one known ferulic acid dehydrodimer, (3alpha,3aalpha,6alpha,6aalpha)tetrahydro-3,6-bis(4-hydroxy-3-methoxyphenyl)-1 H,4 H-furo[3,4-c]furan-1,4-dione (7) were obtained. CONCLUSIONS: Bioactive experiments showed that compounds 6- 8 have strong free radical scavenging effects and also have protective effects on doxorubicin-induced cardiac cell injury when tested in vitro.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1164 mL	10.5822 mL	21.1645 mL
5 mM	0.4233 mL	2.1164 mL	4.2329 mL
10 mM	0.2116 mL	1.0582 mL	2.1164 mL
50 mM	0.0423 mL	0.2116 mL	0.4233 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Oligomers of resveratrol and ferulic acid prepared by peroxidase-catalyzed oxidation and their protective effects on cardiac injury. J Agric Food Chem. 2007 Sep 19;55(19):7753-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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