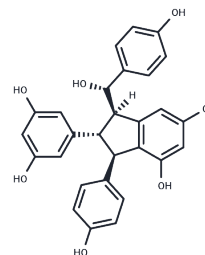


## Leachianol F

## Chemical Properties

CAS No. :	164123-50-6
Formula:	C <sub>28</sub> H <sub>24</sub> O <sub>7</sub>
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 F is a natural product for research related to life sciences. The catalog number is TN6476 and the CAS number is 164123-50-6.
In vitro	Stilbenes have received much attention during the last two decades following the discovery of resveratrol in wine. Since then, there have been a growing number of papers reporting various biological activities of naturally occurring stilbenes. The aim of this study was to determine new minor stilbenes from <i>Vitis vinifera</i> stalks. METHODS AND RESULTS: Purification of these compounds was achieved by means of centrifugal partition chromatography, a versatile separation technique that does not require a solid stationary phase. Viniphenol A (1), a new resveratrol hexamer, was isolated along with five oligostilbenoids identified in <i>V. vinifera</i> for the first time, ampelopsin C, davidiol A, Leachianol F, leachianol G, and E-maackin, a dimer with an unusual dioxane moiety, and 14 known hydroxystilbenes. CONCLUSIONS: The structure and stereochemistry of viniphenol A were determined on the basis of spectroscopic data analysis and molecular modeling under NMR constraints. Viniphenol A showed protective effects against amyloid- $\beta$ -induced toxicity in PC12 cell cultures.

## 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

Viniphenol A, a complex resveratrol hexamer from *Vitis vinifera* stalks: structural elucidation and protective effects against amyloid- $\beta$ -induced toxicity in PC12 cells. *J Nat Prod.* 2014 Feb 28;77(2):213-7. d

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