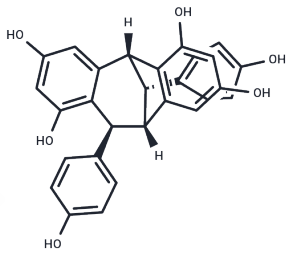
Data Sheet (Cat.No.TN6474)

TargetMol

Ampelopsin F

Chemical Properties



CAS No. : 151487-08-0

Formula: C28H22O6

Molecular Weight: 454.478

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	Ampelopsin F is a natural product from Ampelopsis brevipedunculata var. hancei.
In vitro	A new tetramer oligostilbenoid possessing tetrahydrofuran ring, malaysianol C (1), was isolated from the acetone extract of the stem bark of Dryobalanops lanceolata, together with four known oligostilbenoids nepalensinol E (2), ?-viniferin (3), laevifonol (4), and Ampelopsin F (5). METHODS AND RESULTS: The structures of isolated compounds were elucidated on the basis of spectral evidence. The antibacterial activity of the isolated compounds was evaluated using resazurin microtitre-plate assay, whereas the cytotoxic activity was tested using MTT assay. The plausible biogenetic routes of the isolated compounds are also discussed.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2003 mL	11.0016 mL	22.0032 mL
5 mM	0.4401 mL	2.2003 mL	4.4006 mL
10 mM	0.220 mL	1.1002 mL	2.2003 mL
50 mM	0.044 mL	0.220 mL	0.4401 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

A new symmetrical tetramer oligostilbenoid containing tetrahydrofuran ring from the stem bark of Dryobalanops lanceolata. J Asian Nat Prod Res. 2014;16(11):1099-107.

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