

## Eriodictyol chalcone

## Chemical Properties

CAS No. : 14917-41-0

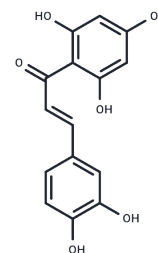
Formula: C<sub>15</sub>H<sub>12</sub>O<sub>6</sub>

Molecular Weight: 288.25

Storage: Store under nitrogen, Keep away from direct sunlight,  
Keep away from moisture

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	Eriodictyol chalcone is a natural product exhibiting inhibitory activity against 17 $\beta$ -HSD, suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Anti-infection, Aromatase, Cytochromes P450
In vitro	In this study, liquid chromatography-Fourier transform ion cyclotron resonance mass spectrometry (LC-FTICR-MS) was employed to conduct a component analysis of chalcones and flavanones in the fruits of the dwarf tomato cultivar "Micro-Tom". The study identified eriodictyol chalcone, eriodictyol aglycones, as well as naringenin chalcone and naringenin aglycones. To the best of our knowledge, this is the first study to confirm the presence of Eriodictyol chalcone and eriodictyol in tomatoes [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4692 mL	17.3461 mL	34.6921 mL
5 mM	0.6938 mL	3.4692 mL	6.9384 mL
10 mM	0.3469 mL	1.7346 mL	3.4692 mL
50 mM	0.0694 mL	0.3469 mL	0.6938 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

Metabolite Profiling of Chalcones and Flavanones in Tomato Fruit. Japanese Society for Horticultural Science, vol. 77, 2008, pp. 94-102

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481