

## 7,3',4'-Tri-O-methylepideriodictyol

## Chemical Properties

CAS No. : 70987-96-1

Formula: C<sub>18</sub>H<sub>18</sub>O<sub>6</sub>

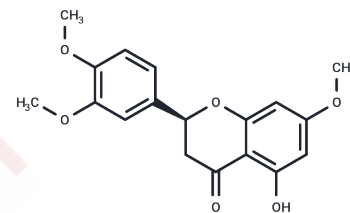
Molecular Weight: 330.33

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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	7,3',4'-Tri-O-methylepideriodictyol (7,3',4'-Tri-O-methylepideriodictyol) is an isolate from the methanolic extract of Pogostemon cablin with antimicrobial, antioxidant, antitumor, and antiprotozoal activities, and it inhibits Mycobacterium tuberculosis infection as well as SOS-inducing activity.
Targets(IC50)	Antibiotic
In vitro	7,3',4'-Tri-O-methylepideriodictyol, a methanol extract from Pogostemon cablin, showed an inhibitory effect on the expression of the umu gene of the SOS response in Salmonella typhimurium TA1535/pSK1002 in response to the mutagen 2-(2-furanyl)-3-(5-nitro-2-furanyl) acrylamide (furanyl furanamide), showing a weak inhibitory effect (17%) at a concentration of 0.6 μmol/mL and inhibited the SOS-inducing activity of Trp-P-1 by 63% at a concentration of 0.3 μmol/mL. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0273 mL	15.1364 mL	30.2728 mL
5 mM	0.6055 mL	3.0273 mL	6.0546 mL
10 mM	0.3027 mL	1.5136 mL	3.0273 mL
50 mM	0.0605 mL	0.3027 mL	0.6055 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

Miyazawa M, et al. Antimutagenic activity of flavonoids from Pogostemon cablin. J Agric Food Chem. 2000 Mar;48 (3):642-7.

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