

Theaflavin-3'-Gallate

Chemical Properties

CAS No. : 28543-07-9

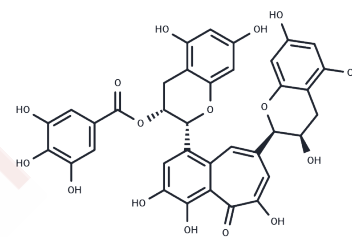
Formula: C₃₆H₂₈O₁₆

Molecular Weight: 716.60

Storage: Store at low temperature, Keep away from direct sunlight

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	Theaflavin-3'-Gallate (Theaflavin 2B) usually comes from the leaves of <i>Camellia sinensis</i> (L.) O. Kuntze. Theaflavin-3'-gallate, act as prooxidants and induce oxidative stress, with carcinoma cells more sensitive than normal fibroblasts.
Targets(IC50)	Apoptosis,Others,Necroptosis,Xanthine Oxidase

Solubility Information

Solubility	Ethanol: Soluble, Pyridine, Methanol, etc.: Soluble, DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3955 mL	6.9774 mL	13.9548 mL
5 mM	0.2791 mL	1.3955 mL	2.791 mL
10 mM	0.1395 mL	0.6977 mL	1.3955 mL
50 mM	0.0279 mL	0.1395 mL	0.2791 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

Babich H , Gottesman R T , Liebling E J , et al. Theaflavin-3-Gallate and Theaflavin-3'-Gallate, Polyphenols in Black Tea with Prooxidant Properties[J]. 2008, 103(1):66-74.

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