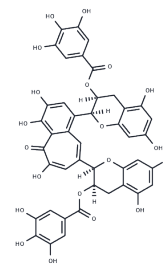


Theaflavin digallate

Chemical Properties

CAS No. :	33377-72-9
Formula:	C43H32O20
Molecular Weight:	868.70
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Theaflavin digallate and lactic acid together could reduce herpes simplex virus transmission.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50.00 mg/mL (57.56 mM), Sonication is recommended. Ethanol: Soluble, Pyridine, Methanol, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1511 mL	5.7557 mL	11.5115 mL
5 mM	0.2302 mL	1.1511 mL	2.3023 mL
10 mM	0.1151 mL	0.5756 mL	1.1511 mL
50 mM	0.023 mL	0.1151 mL	0.2302 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

Hu X , Ping Z , Gan M , et al. Theaflavin-3,3'-digallate represses osteoclastogenesis and prevents wear debris-induced osteolysis via suppression of ERK pathway[J]. Acta Biomaterialia, 2017, 48:479-488.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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