

## Isokaempferide

## Chemical Properties

CAS No. :	1592-70-7
Formula:	C16H12O6
Molecular Weight:	300.26
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	Isokaempferide exhibits hepatoprotective, antiproliferative, and anti-inflammatory effects, and its anti-inflammatory effects are associated, at least in part, with reduced neutrophil degranulation, decreased myeloperoxidase activity, and suppression of inflammatory mediators and TNF-alpha secretion. Isokaempferide is also used in biochemical research investigating airway smooth muscle relaxation mechanisms, including studies of guinea-pig isolated trachea models relevant to bronchodilatory pathway characterization.
Targets(IC50)	TNF

## Solubility Information

Solubility	DMSO: 200 mg/mL (666.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3304 mL	16.6522 mL	33.3045 mL
5 mM	0.6661 mL	3.3304 mL	6.6609 mL
10 mM	0.333 mL	1.6652 mL	3.3304 mL
50 mM	0.0666 mL	0.333 mL	0.6661 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

Pistelli L, et al. Flavonoids from genista ephedroides. J Nat Prod. 1998 Nov;61(11):1404-6.

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