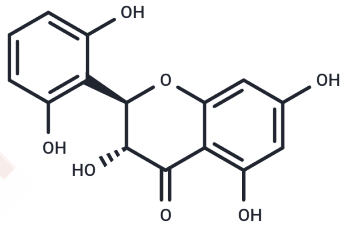
Data Sheet (Cat.No.TN2689)

TargetMol

2',3,5,6',7-Pentahydroxyflavanone

Chemical Properties



CAS No. : 80366-15-0

Formula: C15H12O7

Molecular Weight: 304.25

Storage: 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	2',3,5,6',7-Pentahydroxyflavanone (3,5,7,2',6'-Pentahydroxyflavanone) is a natural product isolated from the roots of *Scutellaria baicalensis*.
Targets(IC50)	Others,NO Synthase
In vitro	2',3,5,6',7-Pentahydroxyflavanone inhibits the histamine release from rat mast cells[1].
In vivo	2',3,5,6',7-Pentahydroxyflavanone inhibits the lipid peroxide formation induced by adenosine diphosphate and reduces nicotinamide adenine dinucleotide phosphate in rat liver homogenate[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2868 mL	16.4339 mL	32.8677 mL
5 mM	0.6574 mL	3.2868 mL	6.5735 mL
10 mM	0.3287 mL	1.6434 mL	3.2868 mL
50 mM	0.0657 mL	0.3287 mL	0.6574 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

KUBO, MICHINORI, et al. Scutellariae radix. X. Inhibitory effects of various flavonoids on histamine release from rat peritoneal mast cells in vitro. Chem. Pharm. Bull., 1984, 32(12):5051-4.
Yoshiyuki Kimura, et al. Studies on Scutellariae radix. VI. Effects of flavanone compounds on lipid peroxidation in rat liver. Chem Pharm Bull (Tokyo). 1982 May;30(5):1792-5.
Kimura Y, et al. Effects of various flavonoids isolated from Scutellaria baicalensis roots on skin damage in acute UVB-irradiated hairless mice. J Pharm Pharmacol. 2011;63(12):1613-1623.

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