

Herbacetin

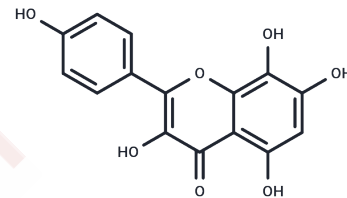
Chemical Properties

CAS No. : 527-95-7

Formula: C₁₅H₁₀O₇

Molecular Weight: 302.24

Storage: Store at low temperature, Keep away from direct sunlight, Keep away from moisture
 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	1. Herbacetin induces apoptosis in HepG2 cells, by ROS and PI3K/Akt pathway. 2. Herbacetin suppresses the HGF-induced motility of human breast cancer MDA-MB-231 cells by inhibiting c-Met and Akt phosphorylation.
Targets(IC50)	Akt,c-Met/HGFR

Solubility Information

Solubility	DMSO: 150 mg/mL (496.29 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (33.09 mM), Solution. 10% DMSO+90% Saline: < 10 mg/mL (33.09 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3086 mL	16.5431 mL	33.0863 mL
5 mM	0.6617 mL	3.3086 mL	6.6173 mL
10 mM	0.3309 mL	1.6543 mL	3.3086 mL
50 mM	0.0662 mL	0.3309 mL	0.6617 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

Li L , Sapkota M , Kim S W , et al. Herbacetin inhibits inducible nitric oxide synthase via JNK and nuclear factor- κ B in LPS-stimulated RAW264.7 cells[J]. European Journal of Pharmacology, 2015, 765:EJP42292.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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