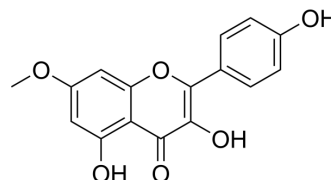


Rhamnocitrin

Cat. No.:	HY-N1353
CAS No.:	569-92-6
Molecular Formula:	C ₁₆ H ₁₂ O ₆
Molecular Weight:	300.26
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (333.04 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.3304 mL	16.6522 mL	33.3045 mL
		5 mM		0.6661 mL	3.3304 mL	6.6609 mL
10 mM		0.3330 mL	1.6652 mL	3.3304 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (6.93 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Rhamnocitrin is a flavonoid isolated from astragalus complanatus R. Br. (Sha-yuan-zi) ^[1] . Rhamnocitrin is a scavenger of DPPH with an IC ₅₀ of 28.38 mM. Rhamnocitrin has anti-oxidant, anti-inflammatory and anti-atherosclerosis activity ^[2] .
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REFERENCES

[1]. Li Y, et al. Simultaneous Determination of Formononetin, Calycosin and Rhamnocitrin from Astragalus Complanatus by UHPLC-MS-MS in Rat Plasma: Application to a Pharmacokinetic Study. J Chromatogr Sci. 2016 Jun 19.

[2]. Tu YC, et al. Antiatherogenic effects of kaempferol and rhamnocitrin. J Agric Food Chem. 2007 Nov 28;55(24):9969-76.

Caution: Product has not been fully validated for medical applications. For research use only.

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