



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

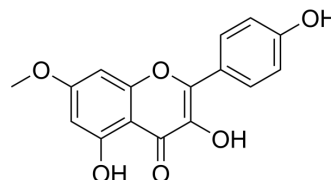
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## Rhamnocitrin

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



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (333.04 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		3.3304 mL	16.6522 mL	33.3045 mL
		<b>5 mM</b>		0.6661 mL	3.3304 mL	6.6609 mL
<b>10 mM</b>		0.3330 mL	1.6652 mL	3.3304 mL		
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	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

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

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA