



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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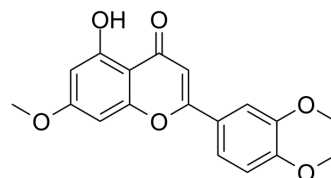
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## 7,3',4'-Tri-O-methyluteolin

Cat. No.:	HY-N7012
CAS No.:	29080-58-8
Molecular Formula:	C <sub>18</sub> H <sub>16</sub> O <sub>6</sub>
Molecular Weight:	328.32
Target:	TNF Receptor; Interleukin Related; COX
Pathway:	Apoptosis; Immunology/Inflammation
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 20 mg/mL (60.92 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	
				5 mg	
				10 mg	
				10 mM	
			1 mg	5 mg	10 mg
	1 mM		3.0458 mL	15.2290 mL	30.4581 mL
	5 mM		0.6092 mL	3.0458 mL	6.0916 mL
	10 mM		0.3046 mL	1.5229 mL	3.0458 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2 mg/mL (6.09 mM); Suspended solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

Description	7,3',4'-Tri-O-methyluteolin (5-Hydroxy-3',4',7-trimethoxyflavone), a flavonoid compound, possesses potent anti-inflammatory effects in LPS-induced macrophage cell line mediated by inhibition of release of inflammatory mediators, NO, PGE2, and pro-inflammatory cytokines. 7,3',4'-Tri-O-methyluteolin significantly induces reduction in the mRNA expressions of inducible nitric oxide synthase and cyclooxygenase-2 <sup>[1]</sup> .			
IC <sub>50</sub> & Target	TNF-α	IL-6	IL-1β	COX-2

### REFERENCES

[1]. Sudha, A, et al. Protective effect of 5-hydroxy-3',4',7-trimethoxyflavone against inflammation induced by lipopolysaccharide in RAW 264.7 macrophage: in vitro study and in silico validation. Medicinal Chemistry Research, 2016,25(9), 1754-1767.

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

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