



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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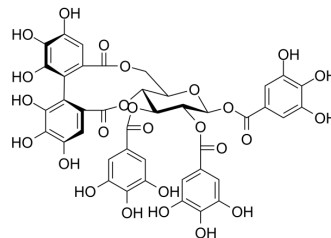
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## Tellimagrandin II

Cat. No.:	HY-N9386
CAS No.:	81571-72-4
Molecular Formula:	C <sub>41</sub> H <sub>30</sub> O <sub>26</sub>
Molecular Weight:	938.66
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
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 (106.53 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	1.0653 mL	5.3267 mL	10.6535 mL
			5 mM	0.2131 mL	1.0653 mL	2.1307 mL
			10 mM	0.1065 mL	0.5327 mL	1.0653 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: ≥ 2.5 mg/mL (2.66 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.66 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.66 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Tellimagrandin II (Eugeniin), the first intermediate in the <sup>4</sup> C <sub>1</sub> -glucose derived series of ellagitannins, also inhibits antibiotic resistance of drug-resistant Staphylococcus aureus <sup>[1][2]</sup> .
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### CUSTOMER VALIDATION

- J Pharm Biomed Anal. 2023 May 2;233:115441.

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See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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- [1]. Ruth Niemetz, et al. Oxidation of pentagalloylglucose to the ellagitannin, tellimagrandin II, by a phenol oxidase from *Tellima grandiflora* leaves. *Phytochemistry*. 2003 Feb;62(3):301-6.
- [2]. Yu-Wei Chang, et al. Tellimagrandin II, A Type of Plant Polyphenol Extracted from *Trapa bispinosa* Inhibits Antibiotic Resistance of Drug-Resistant *Staphylococcus aureus*. *Int J Mol Sci*. 2019 Nov 18;20(22):5790.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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