



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

Quellenstraße 110, A-1100 Wien

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

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

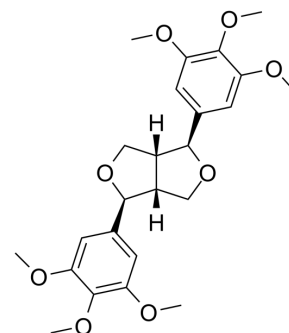
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Yangambin

Cat. No.:	HY-N4267
CAS No.:	13060-14-5
Molecular Formula:	C ₂₄ H ₃₀ O ₈
Molecular Weight:	446.49
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (111.98 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	2.2397 mL	11.1985 mL	22.3969 mL
		5 mM	0.4479 mL	2.2397 mL	4.4794 mL
		10 mM	0.2240 mL	1.1198 mL	2.2397 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: ≥ 1.25 mg/mL (2.80 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (2.80 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.80 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Yangambin, a furofuran lignan, is already isolated from plants such as member of the Annonaceae family, including species of the genus Rollinia: <i>R. pickeli</i> , <i>R. exalbida</i> and <i>R. mucosa</i> , as well from the <i>Magnolia biondii</i> . Yangambin, a selective PAF receptor antagonist, inhibits Ca ²⁺ influx through voltage-gated Ca ²⁺ channels, leading to the reduction in [Ca ²⁺] _i in vascular smooth muscle cells and consequent peripheral vasodilation ^[1] . Yangambin exhibits the antiallergic activity against β-hexosaminidase release with an IC ₅₀ of 33.8 μM and for anti-inflammatory activity with an IC ₅₀ of 37.4 μM ^[2] .
IC ₅₀ & Target	PAF, Ca ²⁺ channels ^[1]

REFERENCES

- [1]. Araújo IG, et al. Calcium influx inhibition is involved in the hypotensive and vasorelaxant effects induced by yangambin. *Molecules*. 2014 May 23;19(5):6863-76.
- [2]. Jindaporn Puripattanavong, et al. Anti-allergic and anti-inflammatory compounds from *Aglaia andamanica* leaves. *Songklanakarin J. Sci. Technol.* 2015,37 (1), 37-41.
-

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

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