



# 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

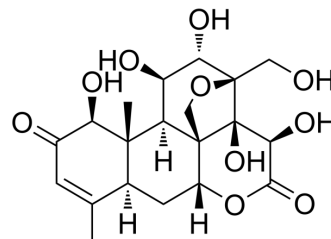
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

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

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

## Yadanziolide A

Cat. No.:	HY-N4210		
CAS No.:	95258-14-3		
Molecular Formula:	C <sub>20</sub> H <sub>26</sub> O <sub>10</sub>		
Molecular Weight:	426.41		
Target:	TMV		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (234.52 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3452 mL	11.7258 mL	23.4516 mL
		5 mM	0.4690 mL	2.3452 mL	4.6903 mL
10 mM		0.2345 mL	1.1726 mL	2.3452 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 (5.86 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.86 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.86 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Yadanziolide A, isolated from the cultivated dry seeds of <i>Brucea javanica</i> , has strong antiviral activities with IC <sub>50</sub> of 5.5 μM against tobacco mosaic virus. Yadanziolide A shows significant antitumor effects <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	IC50: 5.5 μM (Tobacco mosaic virus) <sup>[1]</sup>

### REFERENCES

---

[1]. Yan XH, et al. Anti-tobacco mosaic virus (TMV) Quassinoids from Brucea javanica (L.) Merr. J Agric Food Chem. 2010 Feb 10;58(3):1572-7.

[2]. Liu JQ, et al. One new pregnane glycoside from the seeds of cultivated Brucea javanica. Arch Pharm Res. 2011 Aug;34(8):1297-300.

---

**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