



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

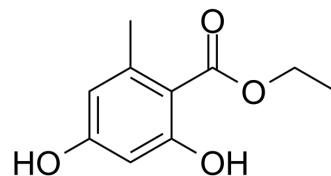
mail@szabo-scandic.com

www.szabo-scandic.com

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

Ethyl Orsellinate

Cat. No.:	HY-W000427		
CAS No.:	2524-37-0		
Molecular Formula:	C ₁₀ H ₁₂ O ₄		
Molecular Weight:	196.2		
Target:	Bacterial		
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 (509.68 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.0968 mL	25.4842 mL	50.9684 mL
		5 mM	1.0194 mL	5.0968 mL	10.1937 mL
10 mM		0.5097 mL	2.5484 mL	5.0968 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (12.74 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.74 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.74 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Ethyl orsellinate is a lichen metabolite and a derivative of lecanoric acid with antiproliferative and antitumour activities ^[1] . Ethyl Orsellinate is against <i>A. salina</i> for the cytotoxic activity with an LC ₅₀ of 495 μM ^[2] .
In Vitro	Ethyl Orsellinate (0-50 μg/ml; 48 hours) inhibits Hep-2 cells, MCF-7 breast cancer cells, and 786-0 kidney carcinoma cells, as well as B16-F10 murine melanoma and non-cancerous Vero cells (IC ₅₀ s=31.2, 70.3, 47.5, 64.8, and 28.1 μg/ml, respectively) ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Bogo D, et al. In vitro antitumour activity of orsellinates. Z Naturforsch C. 2010 Jan-Feb;65(1-2):43-8.
- [2]. Gomes AT, et al. Cytotoxic activity of orsellinates. Z Naturforsch C. 2006 Sep-Oct;61(9-10):653-7.
-

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