



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

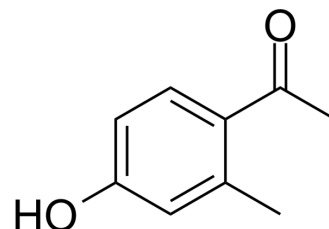
mail@szabo-scandic.com

www.szabo-scandic.com

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

4'-Hydroxy-2'-methylacetophenone

Cat. No.:	HY-W010254		
CAS No.:	875-59-2		
Molecular Formula:	C ₉ H ₁₀ O ₂		
Molecular Weight:	150.18		
Target:	Parasite		
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 : 5 mg/mL (33.29 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.6587 mL	33.2934 mL	66.5868 mL
	5 mM	1.3317 mL	6.6587 mL	13.3174 mL
	10 mM	0.6659 mL	3.3293 mL	6.6587 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 0.5 mg/mL (3.33 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 0.5 mg/mL (3.33 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 0.5 mg/mL (3.33 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4'-Hydroxy-2'-methylacetophenone, an aroma compound of red wines, is isolated from cv. Bobal grape variety. 4'-Hydroxy-2'-methylacetophenone has ciliate toxicity. 4'-Hydroxy-2'-methylacetophenone inhibits the growth of *T. pyriformis*, with an IC₅₀ of 0.65 mM^{[1][2]}.

REFERENCES

[1]. GómezGarcía-Carpintero E, et, al. Aroma characterization of red wines from cv. Bobal grape variety grown in La Mancha region. Food Research International. 2011 Jan; 44(1): 61-70.

[2]. Schüürmann G, et, al. Stepwise discrimination between four modes of toxic action of phenols in the Tetrahymena pyriformis assay. Chem Res Toxicol. 2003 Aug;16(8):974-87.

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