



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

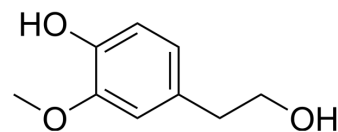
mail@szabo-scandic.com

www.szabo-scandic.com

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

Homovanillyl alcohol

Cat. No.:	HY-N7513
CAS No.:	2380-78-1
Molecular Formula:	C ₉ H ₁₂ O ₃
Molecular Weight:	168.19
Target:	Drug Metabolite; TNF Receptor
Pathway:	Metabolic Enzyme/Protease; Apoptosis
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 (594.57 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		5.9457 mL	29.7283 mL	59.4566 mL
	5 mM		1.1891 mL	5.9457 mL	11.8913 mL
	10 mM		0.5946 mL	2.9728 mL	5.9457 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: ≥ 2.5 mg/mL (14.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (14.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (14.86 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Homovanillyl alcohol is a biological metabolite of Hydroxytyrosol. Hydroxytyrosol is a phenolic compound that is present in virgin olive oil (VOO) and wine. Homovanillyl alcohol protects red blood cells (RBCs) from oxidative injury and has protective effect on cardiovascular disease^{[1][2]}.

REFERENCES

-
- [1]. Fátima Paiva-Martins, et al. Protective Activity of Hydroxytyrosol Metabolites on Erythrocyte Oxidative-Induced Hemolysis. J Agric Food Chem. 2013 Jul 10;61(27):6636-42.
- [2]. Rafael De la Torre, et al. Protective Effect of Homovanillyl Alcohol on Cardiovascular Disease and Total Mortality: Virgin Olive Oil, Wine, and Catechol-Methylation. Am J Clin Nutr. 2017 Jun;105(6):1297-1304.
-

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