



# 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

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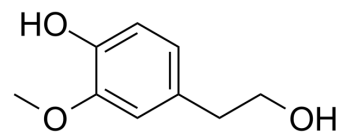
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## Homovanillyl alcohol

Cat. No.:	HY-N7513		
CAS No.:	2380-78-1		
Molecular Formula:	C <sub>9</sub> H <sub>12</sub> O <sub>3</sub>		
Molecular Weight:	168.19		
Target:	Drug Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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<sup>[1][2]</sup>.

### REFERENCES

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[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.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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