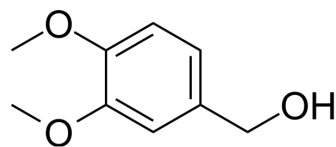


## Veratryl alcohol

<b>Cat. No.:</b>	HY-107858		
<b>CAS No.:</b>	93-03-8		
<b>Molecular Formula:</b>	C <sub>9</sub> H <sub>12</sub> O <sub>3</sub>		
<b>Molecular Weight:</b>	168		
<b>Target:</b>	Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

Ethanol : 100 mg/mL (595.24 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	5.9524 mL	29.7619 mL	59.5238 mL
5 mM	1.1905 mL	5.9524 mL	11.9048 mL
10 mM	0.5952 mL	2.9762 mL	5.9524 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Veratryl alcohol (3,4-Dimethoxybenzenemethanol), a secondary metabolite of some lignin degrading fungi, is commonly used nonphenolic substrate for assaying ligninolytic activity<sup>[1][2]</sup>. Veratryl alcohol protects lignin peroxidase (LiP) from H<sub>2</sub>O<sub>2</sub>-dependent inactivation and prevents LiP compound III accumulation<sup>[3]</sup>

### REFERENCES

- [1]. Koduri RS, et al., Oxidation of guaiacol by lignin peroxidase. Role of veratryl alcohol. J Biol Chem. 1995 Sep 22;270(38):22254-8.
- [2]. Leisola MS, et al. Enzymatic determination of veratryl alcohol. Anal Biochem. 1986 May 15;155(1):108-11.
- [3]. Arias ME, et al. Kraft pulp biobleaching and mediated oxidation of a nonphenolic substrate by laccase from Streptomyces cyaneus CECT 3335. Appl Environ Microbiol. 2003 Apr;69(4):1953-8.

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

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