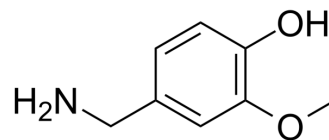


## Vanillylamine

<b>Cat. No.:</b>	HY-W097899
<b>CAS No.:</b>	1196-92-5
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>11</sub> NO <sub>2</sub>
<b>Molecular Weight:</b>	153
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (326.80 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>			1 mg	5 mg
		1 mM		6.5359 mL	32.6797 mL
		5 mM		1.3072 mL	6.5359 mL
	10 mM		0.6536 mL	3.2680 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (16.34 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.34 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (16.34 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Vanillylamine is a derivative of vanillin is synthesized through a transaminase reaction in the phenylpropanoid pathway of capsaicinoid synthesis <sup>[1]</sup> .
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### REFERENCES

[1]. Harishchandra B Gururaj, et al. Functional validation of Capsicum frutescens aminotransferase gene involved in vanillylamine biosynthesis using Agrobacterium

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

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