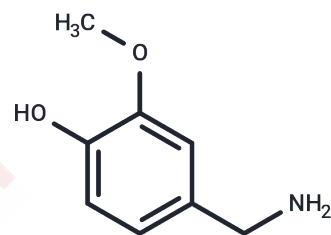


## Vanillylamine

## Chemical Properties

CAS No. :	1196-92-5
Formula:	C <sub>8</sub> H <sub>11</sub> NO <sub>2</sub>
Molecular Weight:	153.18
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Vanillylamine is a natural product for research related to life sciences. The catalog number is T65495 and the CAS number is 1196-92-5.
Targets(IC50)	JNK

## Solubility Information

Solubility	DMSO: 40 mg/mL (261.13 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (13.06 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.5283 mL	32.6413 mL	65.2827 mL
5 mM	1.3057 mL	6.5283 mL	13.0565 mL
10 mM	0.6528 mL	3.2641 mL	6.5283 mL
50 mM	0.1306 mL	0.6528 mL	1.3057 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Gururaj HB, et al. Functional validation of Capsicum frutescens aminotransferase gene involved in vanillylamine biosynthesis using Agrobacterium mediated genetic transformation studies in Nicotiana tabacum and Capsicum frutescens calli cultures. Plant Sci. 2012 Oct;195:96-105.

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