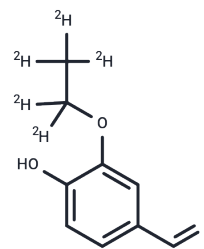


## Ethyl-D5 Vanillin

## Chemical Properties

CAS No. :	1335401-74-5
Formula:	C <sub>9</sub> H <sub>5</sub> D <sub>5</sub> O <sub>3</sub>
Molecular Weight:	171.20
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Ethyl-D5 Vanillin is a deuterated compound of Ethyl Vanillin. Ethyl Vanillin (T0491) has a CAS number of 121-32-4. Ethylvanillin is a flavorant used in the production of chocolate. It is about three times as potent as vanillin.
Targets(IC50)	Cytochromes P450

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8411 mL	29.2056 mL	58.4112 mL
5 mM	1.1682 mL	5.8411 mL	11.6822 mL
10 mM	0.5841 mL	2.9206 mL	5.8411 mL
50 mM	0.1168 mL	0.5841 mL	1.1682 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

1. Cocinero EJ, et al. Phys Chem Chem Phys. 2010 Oct 21;12(39):12486-93.

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