

## Vanillin-D3

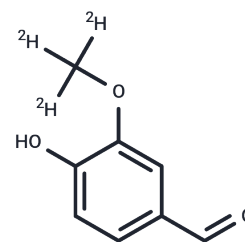
## Chemical Properties

CAS No. : 74495-74-2

Formula: C<sub>8</sub>H<sub>8</sub>O<sub>3</sub>

Molecular Weight: 155.17

Storage: Store at low temperature, Keep away from moisture,  
Keep away from direct sunlight  
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	Vanillin-D3 is the deuterium marker for vanillin and can be used for isotopic tracing. Vanillin (T6717) (Zimco) is a natural product extracted from vanilla beans and is commonly used in perfumes, food and pharmaceuticals.
Targets(IC50)	Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.4445 mL	32.2227 mL	64.4454 mL
5 mM	1.2889 mL	6.4445 mL	12.8891 mL
10 mM	0.6445 mL	3.2223 mL	6.4445 mL
50 mM	0.1289 mL	0.6445 mL	1.2889 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

Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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