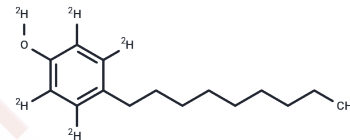


## 4-Nonylphenol-D5

## Chemical Properties

CAS No. :	358730-95-7
Formula:	C <sub>15</sub> H <sub>19</sub> D <sub>5</sub> O
Molecular Weight:	225.38
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	4-Nonylphenol-D5 is a deuterated label of 4-n-nonylphenol for isotope tracing. 4-n-Nonylphenol is the primary degradation product of nonylphenol ethoxylates (NPEOs), exhibiting endocrine-disrupting properties and weak estrogenic activity.
Targets(IC50)	Estrogen Receptor/ERR

## Solubility Information

Solubility	DMSO: 80 mg/mL (354.96 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.437 mL	22.1848 mL	44.3695 mL
5 mM	0.8874 mL	4.437 mL	8.8739 mL
10 mM	0.4437 mL	2.2185 mL	4.437 mL
50 mM	0.0887 mL	0.4437 mL	0.8874 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

Lyons R, Togashi T, Bowyer C. Environmental conditions affecting re-release from particulate matter of 4-Nonylphenol into an aqueous medium. Environ Toxicol Chem. 2019;38(2):350-360.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481