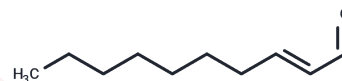


## trans-2-Decenal

## Chemical Properties

CAS No. :	3913-81-3
Formula:	C <sub>10</sub> H <sub>18</sub> O
Molecular Weight:	154.25
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	trans-2-Decenal is an essential raw material and intermediate widely used in organic synthesis, pharmaceuticals, pesticides, and dyes.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 160 mg/mL (1037.28 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	6.483 mL	32.4149 mL	64.8298 mL
5 mM	1.2966 mL	6.483 mL	12.966 mL
10 mM	0.6483 mL	3.2415 mL	6.483 mL
50 mM	0.1297 mL	0.6483 mL	1.2966 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

Loureiro AP, et al. Structural characterization of an etheno-2'-deoxyguanosine adduct modified by tetrahydrofuran. Chem Res Toxicol. 2005 Feb;18(2):290-9.

Song W, et al. Plant secondary metabolite citral interferes with Phytophthora capsici virulence by manipulating the expression of effector genes. Mol Plant Pathol. 2023 Aug;24(8):932-946.

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