

## 4-Decanol

## Chemical Properties

CAS No. : 2051-31-2

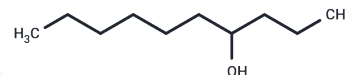
Formula: C<sub>10</sub>H<sub>22</sub>O

Molecular Weight: 158.28

Keep away from moisture

Storage: Pure form: -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-Decanol, a compound isolated from the roots of Valeriana jatamansi Jones and Epilobium angustifolium L., may have anti-inflammatory and antioxidant activities.
Targets(IC50)	Antioxidant,DNA Alkylator/Crosslinker

## Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3179 mL	31.5896 mL	63.1792 mL
5 mM	1.2636 mL	6.3179 mL	12.6358 mL
10 mM	0.6318 mL	3.159 mL	6.3179 mL
50 mM	0.1264 mL	0.6318 mL	1.2636 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

Oda S, et al. Relationship between interfacial hydrophobicity and hydroxylation activity of fungal cells located on an organic-aqueous interface. *J Biosci Bioeng.* 2013;115(5):544-546.

Oda S, et al. Enhancement of n-decane hydroxylation activity of *Monilliera* sp. NAP 00702 in a liquid-liquid interface bioreactor by mixing of anion-exchange resin microparticles. *Process Biochemistry.* 2012;47(12): 2494-2499.

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