

Diisobutyl carbinol

Chemical Properties

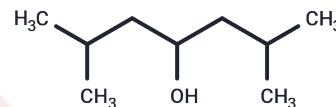
CAS No. : 108-82-7

Formula: C₉H₂₀O

Molecular Weight: 144.2545

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	Diisobutyl carbinol is a compound that is used in fragrance materials.
Targets(IC50)	Others,Drug Metabolite

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	6.9324 mL	34.662 mL	69.3241 mL
5 mM	1.3865 mL	6.9324 mL	13.8648 mL
10 mM	0.6932 mL	3.4662 mL	6.9324 mL
50 mM	0.1386 mL	0.6932 mL	1.3865 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

- Zhang F, Bartels MJ, Clark AJ, Staley JL, Lardie TS, Markham DA, Hughes BJ, Ball NS. Comparative metabolism and pharmacokinetics of diisobutyl ketone and diisobutyl carbinol in male SD rats. *Toxicol Lett.* 2015 Jan 5;232(1):175-81. doi: 10.1016/j.toxlet.2014.10.027. Epub 2014 Nov 6. PubMed PMID: 25445009.
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- Koshevoy IO, Chang YC, Karttunen AJ, Selivanov SI, Jänis J, Haukka M, Pakkanen T, Tunik SP, Chou PT. Intensely luminescent homoleptic alkynyl decanuclear gold(I) clusters and their cationic octanuclear phosphine derivatives. *Inorg Chem.* 2012 Jul 2;51(13):7392-403. doi: 10.1021/ic300856h. Epub 2012 Jun 11. PubMed PMID: 22686420.
- McGinty D, Scognamiglio J, Letizia CS, Api AM. Fragrance material review on 2,6-dimethyl-4-heptanol. *Food Chem Toxicol.* 2010 Jul;48 Suppl 4:S89-92. doi: 10.1016/j.fct.2010.05.037. Review. PubMed PMID: 20659645.

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