

2-Methyldecane

Chemical Properties

CAS No. : 6975-98-0

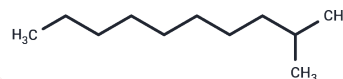
Formula: C₁₁H₂₄

Molecular Weight: 156.31

Keep away from moisture

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	2-Methyldecane is a colorless liquid used primarily as a solvent in organic synthesis reactions, and is also present in spice tobacco and cigarette smoke; it has low inhalation toxicity, and no deaths were observed in rats exposed to saturated vapor concentrations for 4 hours.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.3975 mL	31.9877 mL	63.9754 mL
5 mM	1.2795 mL	6.3975 mL	12.7951 mL
10 mM	0.6398 mL	3.1988 mL	6.3975 mL
50 mM	0.128 mL	0.6398 mL	1.2795 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

Bukvicki DR, Tyagi AK, Gottardi DG, Veljic MM, Jankovic SM, Guerzoni ME, Marin PD. Assessment of the chemical composition and in vitro antimicrobial potential of extracts of the liverwort *Scapania aspera*. *Nat Prod Commun*. 2013 Sep;8(9):1313-6. PubMed PMID: 24273874.

Kumar Tyagi A, Bukvicki D, Gottardi D, Veljic M, Guerzoni ME, Malik A, Marin PD. Antimicrobial Potential and Chemical Characterization of Serbian Liverwort (*Porella arboris-vitae*): SEM and TEM Observations. *Evid Based Complement Alternat Med*. 2013;2013:382927. doi: 10.1155/2013/382927. Epub 2013 Jan 9. PubMed PMID: 23365607; PubMed Central PMCID: PMC3556407.

Abbasi A, et al. An edible coating utilizing *Malva sylvestris* seed polysaccharide mucilage and postbiotic from *Saccharomyces cerevisiae* var. *boulardii* for the preservation of lamb meat. *Int J Biol Macromol*. 2023 Aug 15;246:125660.

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