Data Sheet (Cat.No.TN6693)

TargetMol

2-Octanone

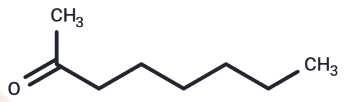
Chemical Properties

CAS No. : 111-13-7

Formula: C8H16O

Molecular Weight: 128.21

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-Octanone inhibits fatty acid synthase in rats and exhibits weak inhibitory activity against phenylethanolamine N-methyltransferase, and is widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Fatty Acid Synthase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.7997 mL	38.9985 mL	77.997 mL
5 mM	1.5599 mL	7.7997 mL	15.5994 mL
10 mM	0.780 mL	3.8999 mL	7.7997 mL
50 mM	0.156 mL	0.780 mL	1.5599 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

Api AM, et al. RIFM fragrance ingredient safety assessment, 2-octanone, CAS Registry Number 111-13-7. Food Chem Toxicol. 2019 May 15;127 Suppl 1:S71-S80.

Ou XY, et al. Highly efficient asymmetric reduction of 2-octanone in biphasic system by immobilized Acetobacter sp. CCTCC M209061 cells. J Biotechnol. 2019 Jun 20;299:37-43.

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