

Beta-Tetralone

Chemical Properties

CAS No. : 530-93-8

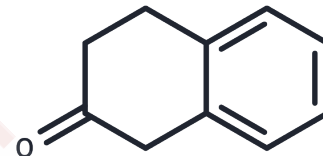
Formula: C₁₀H₁₀O

Molecular Weight: 146.19

Store under nitrogen

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	β -Tetralone (2-Tetralone) is an essential chemical constituent employed as a pivotal precursor in the intricate manufacturing process of medicinal drugs and diverse organic substances.
Targets(IC50)	Cytochromes P450

Solubility Information

Solubility	DMSO: 55 mg/mL (376.22 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	6.8404 mL	34.2021 mL	68.4041 mL
5 mM	1.3681 mL	6.8404 mL	13.6808 mL
10 mM	0.684 mL	3.4202 mL	6.8404 mL
50 mM	0.1368 mL	0.684 mL	1.3681 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

Shaikh N, et al. Screening of natural product libraries in MCF7 cell line reveals the pro-apoptotic properties of β tetralone. J Biomol Struct Dyn. 2024 Jan-Feb; 42(2):876-884.

Janeczko T, et al. Enantioselective dynamic process reduction of α - and β -tetralone and stereoinversion of resulting alcohols in a selected strain culture. Curr Microbiol. 2012 Aug; 65(2):189-94. doi: 10.1007/s00284-012-0143-2. Epub 2012 May 22.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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