

7-Hydroxy-3,7-dimethyloctanal

Chemical Properties

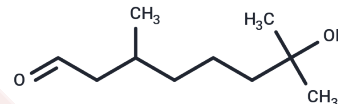
CAS No. : 107-75-5

Formula: C₁₀H₂₀O₂

Molecular Weight: 172.26

Storage: Store at low temperature, Store under nitrogen
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	7-Hydroxy-3,7-dimethyloctanal has extremely weak agonist activity against TRPM8 (EC ₅₀ = 1960 μM) and can be used in related research in the field of life sciences.
Targets(IC ₅₀)	TRP/TRPV Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8052 mL	29.0259 mL	58.0518 mL
5 mM	1.161 mL	5.8052 mL	11.6104 mL
10 mM	0.5805 mL	2.9026 mL	5.8052 mL
50 mM	0.1161 mL	0.5805 mL	1.161 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

Behrendt HJ, et al. Characterization of the mouse cold-menthol receptor TRPM8 and vanilloid receptor type-1 VR1 using a fluorometric imaging plate reader (FLIPR) assay. Br J Pharmacol. 2004 Feb;141(4):737-45.

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