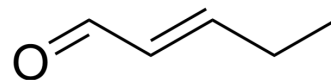


(E)-Pent-2-enal

Cat. No.:	HY-W111375
CAS No.:	1576-87-0
Molecular Formula:	C ₅ H ₈ O
Molecular Weight:	84.12
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (1188.78 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	11.8878 mL	59.4389 mL	118.8778 mL
		5 mM	2.3776 mL	11.8878 mL	23.7756 mL
	10 mM	1.1888 mL	5.9439 mL	11.8878 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (29.72 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (29.72 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (29.72 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	(E)-Pent-2-enal has a pungent fruity odor. This compound is commonly used in the flavor and fragrance industry because of its strong aroma, often described as fresh and green. Furthermore, (E)-Pent-2-enal can be used as an intermediate in the synthesis of various organic compounds, including pharmaceuticals and agrochemicals. Its unique chemical properties make it an important ingredient in many commercial products, including perfumes, air fresheners and cleaners.
In Vitro	(E)-Pent-2-enal is a biochemical reagent that can be used as a biological material or organic compound for life science related research. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Caution: Product has not been fully validated for medical applications. For research use only.

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