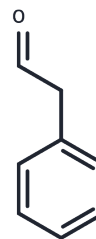


2-Phenylacetaldehyde

Chemical Properties

CAS No. :	122-78-1
Formula:	C ₈ H ₈ O
Molecular Weight:	120.15
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-Phenylacetaldehyde (Hyacinthin) is a type of endogenous metabolite. 2-Phenylacetaldehyde is a perfumery and flavouring ingredient.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 1 mg/mL (8.32 mM), Sonication is recommended. DMSO: 250 mg/mL (2080.73 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	8.3229 mL	41.6146 mL	83.2293 mL
5 mM	1.6646 mL	8.3229 mL	16.6459 mL
10 mM	0.8323 mL	4.1615 mL	8.3229 mL
50 mM	0.1665 mL	0.8323 mL	1.6646 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

Flint H M , Smith R L , Pomonis J G , et al. Phenylacetaldehyde: oviposition inhibitor for the pink bollworm [Pectinophora gossypiella].]. Journal of Economic Entomology, 1977, 70(5):547-548.

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