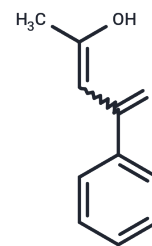


Benzoylacetone

Chemical Properties

CAS No. :	93-91-4
Formula:	C ₁₀ H ₁₀ O ₂
Molecular Weight:	162.19
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	Benzoylacetone (A13 10572) exhibits antibacterial activity.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 1.63 mg/mL (10.05 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	6.1656 mL	30.828 mL	61.6561 mL
5 mM	1.2331 mL	6.1656 mL	12.3312 mL
10 mM	0.6166 mL	3.0828 mL	6.1656 mL
50 mM	0.1233 mL	0.6166 mL	1.2331 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

Patra D, et al. Exploring the effect of substituent in the hydrazone ligand of a family of μ -oxidovanadium(v) hydrazone complexes on structure, DNA binding and anticancer activity. Dalton Trans. 2017 Nov 28;46(46):16276-16293.

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Patra D, et al. Structure-activity relationship on DNA binding and anticancer activities of a family of mixed-ligand oxidovanadium(V) hydrazone complexes. J Biomol Struct Dyn. 2017 Dec 13:1-13.

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