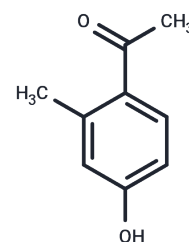


4'-Hydroxy-2'-methylacetophenone

Chemical Properties

CAS No. :	875-59-2
Formula:	C ₉ H ₁₀ O ₂
Molecular Weight:	150.17
Storage:	Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	4'-Hydroxy-2'-methylacetophenone is an aroma compound in wine isolated from the Bobal grape variety. It is toxic to ciliates and inhibits the growth of Tetrahymena pyriformis with an IC ₅₀ of 0.65 mM.
Targets(IC50)	Parasite

Solubility Information

Solubility	DMSO: 4 mg/mL (26.64 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	6.6591 mL	33.2956 mL	66.5912 mL
5 mM	1.3318 mL	6.6591 mL	13.3182 mL
10 mM	0.6659 mL	3.3296 mL	6.6591 mL
50 mM	0.1332 mL	0.6659 mL	1.3318 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

- GómezGarcía-Carpintero E, et, al. Aroma characterization of red wines from cv. Bobal grape variety grown in La Mancha region. Food Research International. 2011 Jan; 44(1): 61-70.
- Schürmann G, et, al. Stepwise discrimination between four modes of toxic action of phenols in the Tetrahymena pyriformis assay. Chem Res Toxicol. 2003 Aug;16(8):974-87.

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