

2'-Hydroxy-4'-methylacetophenone

Chemical Properties

CAS No.:	6921-64-8
Formula:	C ₉ H ₁₀ O ₂
Molecular Weight:	150.17
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	2'-Hydroxy-4'-methylacetophenone, a phenolic compound isolated from Angelicae koreana roots possesses acaricidal property. 2'-Hydroxy-4'-methylacetophenone has acaricidal activity, it could be used in the preparation of 4'-methyl-2'-[(p-tolylsulfonyl) oxy] acetophenone.
Targets(IC ₅₀)	Antifection: None

Solubility Information

Solubility	DMSO: 10 mM (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.659 mL	33.296 mL	66.591 mL
5 mM	1.332 mL	6.659 mL	13.318 mL
10 mM	0.666 mL	3.33 mL	6.659 mL
50 mM	0.133 mL	0.666 mL	1.332 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Oh MS, et al. Acaricidal toxicity of 2'-hydroxy-4'-methylacetophenone isolated from Angelicae koreana roots and structure-activity relationships of its derivatives. J Agric Food Chem. 2012 Apr 11;60(14):3606-11.
2. De Meyer N, et al. 4'-Hydroxy-3-methoxyflavones with potent antipicornavirus activity. J Med Chem. 1991 Feb;34(2):736-46.

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