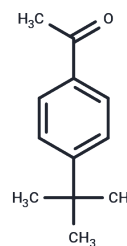


4'-tert-Butylacetophenone

Chemical Properties

CAS No. :	943-27-1
Formula:	C ₁₂ H ₁₆ O
Molecular Weight:	176.25
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	4'-tert-Butylacetophenone is used as medical intermediate
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (283.69 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (11.35 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6738 mL	28.3688 mL	56.7376 mL
5 mM	1.1348 mL	5.6738 mL	11.3475 mL
10 mM	0.5674 mL	2.8369 mL	5.6738 mL
50 mM	0.1135 mL	0.5674 mL	1.1348 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.

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