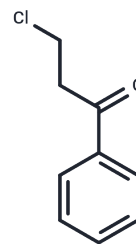


## 3-Chloropropiophenone

## Chemical Properties

CAS No. :	936-59-4
Formula:	C <sub>9</sub> H <sub>9</sub> ClO
Molecular Weight:	168.62
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	3-Chloropropiophenone (CPP) is a synthetic compound that is used in the synthesis of organic reagents, pharmaceuticals, and other products. It has the ability to inhibit certain enzymes (e.g. cytochrome P450) and inhibit the growth of certain tumor cells.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55 mg/mL (326.18 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	5.9305 mL	29.6525 mL	59.3049 mL
5 mM	1.1861 mL	5.9305 mL	11.861 mL
10 mM	0.593 mL	2.9652 mL	5.9305 mL
50 mM	0.1186 mL	0.593 mL	1.1861 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

Gen-Sheng Y, et al. Biotechnol Lett. 2009 Dec;31(12):1879-83.

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