

## 4-Ethylacetophenone

## Chemical Properties

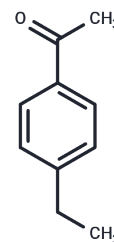
CAS No. : 937-30-4

Formula: C<sub>10</sub>H<sub>12</sub>O

Molecular Weight: 148.2

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-Ethylacetophenone is an aromatic compound widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Others
In vitro	Derived from potato plants, 4-Ethylacetophenone not only repels <i>P. operculella</i> and prevents egg laying, but also has the potential to reduce the number of eggs, making it a promising green alternative for controlling this pest.[1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.7476 mL	33.7382 mL	67.4764 mL
5 mM	1.3495 mL	6.7476 mL	13.4953 mL
10 mM	0.6748 mL	3.3738 mL	6.7476 mL
50 mM	0.135 mL	0.6748 mL	1.3495 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

Ma X, et al. 4-Ethylacetophenone from Potato Plants Repels *Phthorimaea operculella* and Inhibits Oviposition: A Sustainable Management Strategy. *Insects*. 2025 Apr 11;16(4):403.

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