

## 1-(4-Pyridinyl)-1-propanone

## Chemical Properties

CAS No. :	1701-69-5
Formula:	C <sub>8</sub> H <sub>9</sub> NO
Molecular Weight:	135.163
Storage:	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	1-(4-Pyridinyl)-1-propanone exhibits anticonvulsant activity in mice and is widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 4.00 mg/mL (29.59 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	7.3986 mL	36.9932 mL	73.9864 mL
5 mM	1.4797 mL	7.3986 mL	14.7973 mL
10 mM	0.7399 mL	3.6993 mL	7.3986 mL
50 mM	0.148 mL	0.7399 mL	1.4797 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

Kurumurthy C, et al. Synthesis of novel 1,2,3-triazole tagged pyrazolo[3,4-b]pyridine derivatives and their cytotoxic activity. *Bioorg Med Chem Lett*. 2014 Feb 1;24(3):746-9.

Nowicka A, et al. Synthesis and antiproliferative activity in vitro of new 2-thioxoimidazo[4,5-B]pyridine derivatives. *Acta Pol Pharm*. 2015 Jan-Feb;72(1):101-11.

Riaz S, et al. Novel pyridine-2,4,6-tricarbohydrazone derivatives: design, synthesis, characterization and in vitro biological evaluation as  $\alpha$ - and  $\beta$ -glucosidase inhibitors. *Bioorg Chem*. 2014 Dec;57:148-54.

Sharath Kumar KS, et al. Synthesis and antiproliferative effect of novel 4-thiazolidinone-, pyridine- and piperazine-based conjugates on human leukemic cells. *Eur J Med Chem*. 2014 Jun 23;81:341-9.

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