

## Cyclopropanecarbonitrile

## Chemical Properties

CAS No. :	5500-21-0
Formula:	C <sub>4</sub> H <sub>5</sub> N
Molecular Weight:	67.09
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	Cyclopropanecarbonitrile (Cyclopropyl nitrile) is the minimum carbon ring molecule with a cyanide group attached. It has mainly used in experiments with microwave spectroscopy, photodissociation, and rotational spectroscopy.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55 mg/mL (819.79 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	14.9054 mL	74.5268 mL	149.0535 mL
5 mM	2.9811 mL	14.9054 mL	29.8107 mL
10 mM	1.4905 mL	7.4527 mL	14.9054 mL
50 mM	0.2981 mL	1.4905 mL	2.9811 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

García Ruano JL, et al. Org Lett. 2004 Dec 23;6(26):4945-8.

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