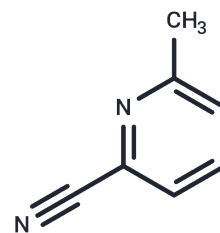


6-Methylpyridine-2-carbonitrile

Chemical Properties

CAS No. :	1620-75-3
Formula:	C7H6N2
Molecular Weight:	118.139
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	6-Methylpyridine-2-carbonitrile, with CAS No. 1620-75-3, is a fragment molecule that serves as an important scaffold for molecular linking, expansion, and modification. 6-Methylpyridine-2-carbonitrile provides a structural basis and research tool for the design and screening of novel drug candidates, and is commonly used in drug discovery, drug synthesis, and related research.
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Solubility Information

Solubility	DMSO: 2.12 mg/mL (17.94 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: 1 mg/mL (8.46 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	8.4645 mL	42.3227 mL	84.6453 mL
5 mM	1.6929 mL	8.4645 mL	16.9291 mL
10 mM	0.8465 mL	4.2323 mL	8.4645 mL
50 mM	0.1693 mL	0.8465 mL	1.6929 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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