

5,6-Dihydropyridin-2(1H)-one

Chemical Properties

CAS No. :	6052-73-9
Formula:	C ₅ H ₇ NO
Molecular Weight:	97.1152
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	5,6-Dihydropyridin-2(1H)-one exhibits toxicity toward MCF 10A cells and HEPG2.2.15 cells, making it suitable for cancer research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	10.2965 mL	51.4827 mL	102.9654 mL
5 mM	2.0593 mL	10.2965 mL	20.5931 mL
10 mM	1.0297 mL	5.1483 mL	10.2965 mL
50 mM	0.2059 mL	1.0297 mL	2.0593 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

Meegan MJ, Nathwani S, Twamley B, Zisterer DM, O'Boyle NM. Piperlongumine (piplartine) and analogues: Antiproliferative microtubule-destabilising agents. Eur J Med Chem. 2017 Jan 5;125:453-463.

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