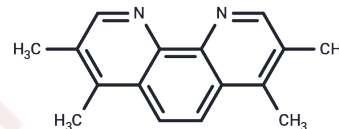


3,4,7,8-Tetramethyl-1,10-phenanthroline

Chemical Properties

CAS No. :	1660-93-1
Formula:	C ₁₆ H ₁₆ N ₂
Molecular Weight:	236.3116
Storage:	Store at RT <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	3,4,7,8-Tetramethyl-1,10-phenanthroline (TMPhen) is an organic molecule commonly utilized as a ligand or catalyst. It finds extensive use across various fields such as organometallic reactions, electrochemical detection, and organic optoelectronic devices. Its exceptional performance in fluorescence probes, biosensors, and photocatalytic reactions makes it widely applied in chemical and life sciences research.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2317 mL	21.1586 mL	42.3173 mL
5 mM	0.8463 mL	4.2317 mL	8.4635 mL
10 mM	0.4232 mL	2.1159 mL	4.2317 mL
50 mM	0.0846 mL	0.4232 mL	0.8463 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

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