

## 4,7-Phenanthroline

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 230-07-9   |
| Formula:          | C <sub>12</sub> H <sub>8</sub> N <sub>2</sub>  |
| Molecular Weight: | 180.205  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |

## Biological Description

|             |  |
|-------------|--|
| Description | 4,7-Phenanthroline, with CAS No. 230-07-9, is a fragment molecule that serves as an important scaffold for molecular linking, expansion, and modification. 4,7-Phenanthroline 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. |
|-------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 5.5491 mL | 27.7454 mL | 55.4908 mL |
| 5 mM  | 1.1098 mL | 5.5491 mL  | 11.0982 mL |
| 10 mM | 0.5549 mL | 2.7745 mL  | 5.5491 mL  |
| 50 mM | 0.111 mL  | 0.5549 mL  | 1.1098 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.

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