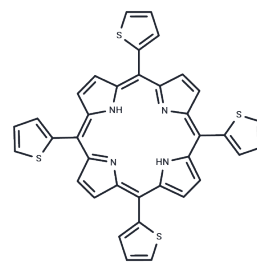


## meso-Tetra-(2-thienyl)porphine

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 22112-87-4  |
| Formula:          | C <sub>36</sub> H <sub>22</sub> N <sub>4</sub> S <sub>4</sub>   |
| Molecular Weight: | 638.85  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|             |  |
|-------------|--|
| Description | meso-Tetra-(2-thienyl)porphine is a synthetic porphyrin compound capable of binding to DNA through secondary interactions along the external (minor) grooves of the DNA macromolecule. Additionally, meso-Tetra-(2-thienyl)porphine exhibits electrochemical redox properties. |
|-------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.5653 mL | 7.8266 mL | 15.6531 mL |
| 5 mM  | 0.3131 mL | 1.5653 mL | 3.1306 mL  |
| 10 mM | 0.1565 mL | 0.7827 mL | 1.5653 mL  |
| 50 mM | 0.0313 mL | 0.1565 mL | 0.3131 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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