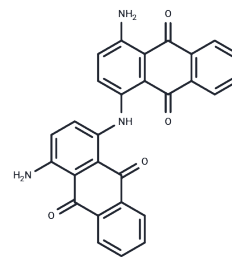


## 4,4'-Diamino-1,1'-iminodanthraquinone

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 128-87-0  |
| Formula:          | C <sub>28</sub> H <sub>17</sub> N <sub>3</sub> O <sub>4</sub>   |
| Molecular Weight: | 459.45  |
| 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   | 4,4'-Diamino-1,1'-iminodanthraquinone serves as a versatile dye utilized across various scientific and industrial endeavors. Possessing a crucial role in biological experiments, it enables researchers to examine cell structures, trace biomolecules, assess cell functions, classify different cell types, detect specific biomolecules, analyze tissue pathology, and monitor microorganisms. The wide array of applications spans from fundamental research to a broad spectrum of clinical diagnostics. Additionally, this compound finds extensive use in conventional areas like textile dyeing and innovative sectors including functional textile processing, food coloring, and dye-sensitized solar cells. |
| Targets(IC50) | Others  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.1765 mL | 10.8826 mL | 21.7652 mL |
| 5 mM  | 0.4353 mL | 2.1765 mL  | 4.353 mL   |
| 10 mM | 0.2177 mL | 1.0883 mL  | 2.1765 mL  |
| 50 mM | 0.0435 mL | 0.2177 mL  | 0.4353 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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