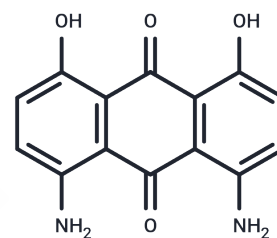


## 1,8-Diamino-4,5-dihydroxyanthraquinone

## Chemical Properties

CAS No. :	128-94-9
Formula:	C <sub>14</sub> H <sub>10</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	270.24
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	1,8-Diamino-4,5-dihydroxyanthraquinone serves as a multifunctional dye with extensive applications in both traditional and emerging fields. As critical components in biological experiments, dyes enable researchers to examine and analyze cellular structures, track biomolecules, assess cellular functions, differentiate cell types, detect biomolecules, investigate tissue pathology, and monitor microorganisms. Their utility spans from fundamental scientific research to a broad spectrum of clinical diagnostics. Additionally, these compounds are pivotal in industries like textile dyeing and are advancing into areas including functional textile processing, food pigments, and dye-sensitized solar cells.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7004 mL	18.5021 mL	37.0041 mL
5 mM	0.7401 mL	3.7004 mL	7.4008 mL
10 mM	0.370 mL	1.8502 mL	3.7004 mL
50 mM	0.074 mL	0.370 mL	0.7401 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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