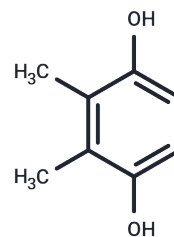


2,3-Dimethylhydroquinone

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 608-43-5 |
| Formula: | C ₈ H ₁₀ O ₂ |
| Molecular Weight: | 138.16 |
| Storage: | Store under nitrogen Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|----------------------------|--|
| Description | 2,3-Dimethylhydroquinone exhibits inhibitory activity against cancer cells such as MDA-MB-231, HT-29, HT-1080, and HL-60 with an IC ₅₀ of 1.6-6.5 μM, and demonstrates antifungal activity against Candida krusei Berkouet. |
| Targets(IC ₅₀) | Apoptosis, Antifungal |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 7.238 mL | 36.1899 mL | 72.3798 mL |
| 5 mM | 1.4476 mL | 7.238 mL | 14.476 mL |
| 10 mM | 0.7238 mL | 3.619 mL | 7.238 mL |
| 50 mM | 0.1448 mL | 0.7238 mL | 1.4476 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.

Reference

Burner U, et al. Oxidation of hydroquinone, 2,3-dimethylhydroquinone and 2,3,5-trimethylhydroquinone by human myeloperoxidase. Redox Rep. 2000;5(4):185-90.

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