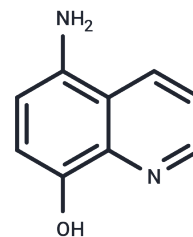


5-Amino-8-hydroxyquinoline

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 13207-66-4 |
| Formula: | C ₉ H ₈ N ₂ O |
| Molecular Weight: | 160.17 |
| Storage: | Keep away from direct sunlight 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 | 5-Amino-8-hydroxyquinoline (5A8HQ) is a potential anticancer agent with notable proteasome inhibitory activity. |
| Targets(IC50) | Proteasome |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 80 mg/mL (499.47 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 6.2434 mL | 31.2168 mL | 62.4337 mL |
| 5 mM | 1.2487 mL | 6.2434 mL | 12.4867 mL |
| 10 mM | 0.6243 mL | 3.1217 mL | 6.2434 mL |
| 50 mM | 0.1249 mL | 0.6243 mL | 1.2487 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

Ruankham W, et al. In silico and multi-spectroscopic analyses on the interaction of 5-amino-8-hydroxyquinoline and bovine serum albumin as a potential anticancer agent. Sci Rep. 2021 Oct 12;11(1):20187.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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