

HHQ

**Chemical Properties**

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| CAS No.:          | 40522-46-1                                                             |
| Formula:          | C <sub>16</sub> H <sub>21</sub> NO                                     |
| Molecular Weight: | 243.35                                                                 |
| Appearance:       | N/A                                                                    |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months). |

**Biological Description**

|             |                           |
|-------------|---------------------------|
| Description | HHQ is a PqsR antagonist. |
|-------------|---------------------------|

**Solubility Information**

|            |                                                                                   |
|------------|-----------------------------------------------------------------------------------|
| Solubility | DMSO: Soluble<br>( < 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|-----------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg      | 5mg       | 10mg      |
|-------|----------|-----------|-----------|
| 1 mM  | 4.109 mL | 20.547 mL | 41.093 mL |
| 5 mM  | 0.822 mL | 4.109 mL  | 8.219 mL  |
| 10 mM | 0.411 mL | 2.055 mL  | 4.109 mL  |
| 50 mM | 0.082 mL | 0.411 mL  | 0.822 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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2. Maura D, Drees SL, Bandyopadhyaya A, Kitao T, Negri M, Starkey M, Lesic B, Milot S, Déziel E, Zahler R, Pucci M, Felici A, Fetzner S, Lépine F, Rahme LG. Polypharmacology Approaches against the *Pseudomonas aeruginosa* MvfR Regulon and Their Application in Blocking Virulence and Antibiotic Tolerance. *ACS Chem Biol*. 2017 May 19;12(5):1435-1443. doi: 10.1021/acscchembio.6b01139. Epub 2017 Apr 12. PubMed PMID: 28379691.
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4. Soga S, Ota N, Shimotoyodome A. Reduction in hydroxyhydroquinone from coffee increases postprandial fat utilization in healthy humans: a randomized double-blind, cross-over trial. *Biosci Biotechnol Biochem*. 2017 Mar 21;1-3. doi: 10.1080/09168451.2017.1301802. [Epub ahead of print] PubMed PMID: 28322128.

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