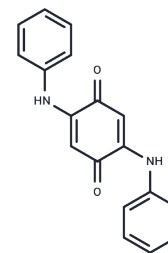


DPPD-Q

Chemical Properties

CAS No. :	3421-08-7
Formula:	C ₁₈ H ₁₄ N ₂ O ₂
Molecular Weight:	290.32
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	DPPD-Q, an antioxidant and an oxidative derivative of substituted p-phenylenediamine (DPPD), is identified in tire wear particles, rubber debris, particulate matter 2.5 (PM2.5), and wastewater influents and effluents. At a concentration of 5 µM, DPPD-Q inhibits soybean urease by 91.4%.
Targets(IC50)	Reactive Oxygen Species

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4445 mL	17.2224 mL	34.4448 mL
5 mM	0.6889 mL	3.4445 mL	6.889 mL
10 mM	0.3444 mL	1.7222 mL	3.4445 mL
50 mM	0.0689 mL	0.3444 mL	0.6889 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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