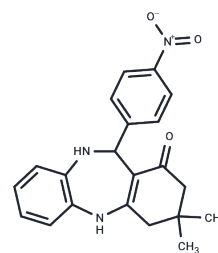


## Antioxidant agent-7

## Chemical Properties

CAS No. :	82408-04-6
Formula:	C <sub>21</sub> H <sub>21</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	363.41
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	Antioxidant agent-7 (Compound 4f) is a potent antioxidant. It protects cell membrane integrity by scavenging free radicals and mitigating lipid peroxidation in oxidative stress research.
Targets(IC50)	Antioxidant
In vitro	Antioxidant agent-7 (SD-7) neutralizes 50% of DPPH free radicals at 470 nM via electron or hydrogen atom transfer [1].

## Solubility Information

Solubility	DMSO: 100 mg/mL (275.17 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7517 mL	13.7586 mL	27.5171 mL
5 mM	0.5503 mL	2.7517 mL	5.5034 mL
10 mM	0.2752 mL	1.3759 mL	2.7517 mL
50 mM	0.055 mL	0.2752 mL	0.5503 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

Portugal J, Waring MJ. Assignment of DNA binding sites for 4',6-diamidine-2-phenylindole and bisbenzimidazole (Hoechst 33258). A comparative footprinting study. Biochimica et Biophysica Acta 949 (2): 158-68.

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