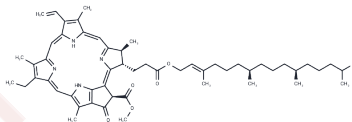


## Pheophytin a

## Chemical Properties

CAS No. :	603-17-8
Formula:	C <sub>55</sub> H <sub>74</sub> N <sub>4</sub> O <sub>5</sub>
Molecular Weight:	871.2
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	Pheophytin a, a chlorophyll isolated from <i>S. vermiculata</i> extracts, demonstrates antioxidant activity with IC <sub>50</sub> values of 200.5 and 137.7 µg/mL for SOD and NO, respectively. It also exhibits reducing power (IC <sub>50</sub> = 4.2 µg/mL) and a cytotoxic effect on the MCF-7 cell line (IC <sub>50</sub> = 35.9 µg/mL) [1].
Targets(IC <sub>50</sub> )	Reactive Oxygen Species

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1478 mL	5.7392 mL	11.4784 mL
5 mM	0.2296 mL	1.1478 mL	2.2957 mL
10 mM	0.1148 mL	0.5739 mL	1.1478 mL
50 mM	0.023 mL	0.1148 mL	0.2296 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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