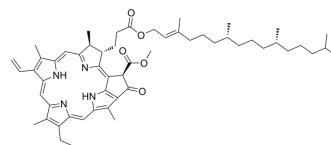


Pheophytin a

Cat. No.:	HY-N12586
CAS No.:	603-17-8
Molecular Formula:	C ₅₅ H ₇₄ N ₄ O ₅
Molecular Weight:	871.2
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Pheophytin a is a chlorophyll that can be isolated from *S. vermiculata* extracts. Pheophytin a has antioxidant activity with IC₅₀ values of 200.5 and 137.7 μg/mL for SOD, and NO respectively. Pheophytin a has reducing power with an IC₅₀ value of 4.2 μg/mL. Pheophytin a has a cytotoxic effect on the MCF-7 cell line (IC₅₀= 35.9 μg/mL)^[1].

REFERENCES

[1]. Hamdoon A Mohammed, et al. Formulation of Ethyl Cellulose Microparticles Incorporated Pheophytin A Isolated from Suaeda vermiculata for Antioxidant and Cytotoxic Activities. *Molecules*. 2019, 24, 8.

Caution: Product has not been fully validated for medical applications. For research use only.

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