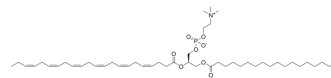


## 1-Stearoyl-2-docosahexaenoyl-sn-glycerco-3-phosphocholine

Cat. No.:	HY-W440983
CAS No.:	59403-52-0
Molecular Formula:	C <sub>48</sub> H <sub>84</sub> NO <sub>8</sub> P
Molecular Weight:	834.16
Target:	PPAR
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	1-Stearoyl-2-docosahexaenoyl-sn-glycerco-3-phosphocholine (SDPC; DHA-PC) is a new generation of omega-3 lipids, which contains an ester bond linking DHA at the sn-2 position of phospholipid. 1-Stearoyl-2-docosahexaenoyl-sn-glycerco-3-phosphocholine exerts anti-angiogenesis effect through activating PPAR $\gamma$ . 1-Stearoyl-2-docosahexaenoyl-sn-glycerco-3-phosphocholine significantly declines the proliferation, migration, tube formation of human umbilical vein endothelial cells. 1-Stearoyl-2-docosahexaenoyl-sn-glycerco-3-phosphocholine has the potential for anti-tumor angiogenesis research <sup>[1]</sup> .
IC <sub>50</sub> & Target	PPAR $\gamma$

### REFERENCES

[1]. Yuanyuan Liu, et al. DHA-enriched phosphatidylcholine suppressed angiogenesis by activating PPAR $\gamma$  and modulating the VEGFR2/Ras/ERK pathway in human umbilical vein endothelial cells. Food Sci Biotechnol. 2021 Oct 27;30(12):1543-1553.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA