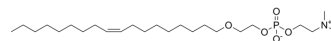


(Z)-Oleyloxyethyl phosphorylcholine

Cat. No.:	HY-134082A
CAS No.:	84601-19-4
Molecular Formula:	C ₂₅ H ₅₂ NO ₅ P
Molecular Weight:	477.66
Target:	Phospholipase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(Z)-Oleyloxyethyl phosphorylcholine ((Z)-OPC) is an isomer of Oleyloxyethyl phosphorylcholine (OPC). Oleyloxyethyl phosphorylcholine is an inhibitor of secreted Phospholipase A2 (sPLA2), which is involved in the biosynthesis of proinflammatory lipid media. Oleyloxyethyl phosphorylcholine can be used to study inflammatory diseases. Oleyloxyethyl phosphorylcholine also modified the red blood membrane and was used to bind the oxygen-carrying liquid perfluorocarbons as an antivenom agent to reduce toxin-induced hemolysis ^{[1][2]} .
IC ₅₀ & Target	sPLA2

REFERENCES

- [1]. Hope WC, et al. Secretory phospholipase A2 inhibitors and calmodulin antagonists as inhibitors of cytosolic phospholipase A2. Agents Actions. 1993;39 Spec No:C39-42.
- [2]. Yang Zhe, et al. Oxygen-carrying bionic nano antidote and its preparation method and application in preparation of anti snake venom drug. China, CN113509488 A. 2021-10-19.

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

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