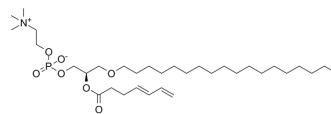


Ferroptosis inducer-4

Cat. No.:	HY-161948
Molecular Formula:	C ₃₃ H ₆₄ NO ₇ P
Molecular Weight:	617.84
Target:	Ferroptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ferroptosis inducer-4 (Compound 5) is a ferroptosis (Ferroptosis) inducer with a structure featuring terminal double bonds introduced at the sn-2 position of phospholipids. Ferroptosis inducer-4 exhibits significant cytotoxicity towards HT-1080 cells, with an IC₅₀ of 18 μM. This cytotoxic mechanism involves the generation of lipid peroxides and oxidative damage to the cell membrane triggered by the terminal double bonds. Ferroptosis inducer-4 can be used for research on ferroptosis regulation^[1].

REFERENCES

[1]. Zhang Q, et al. Synthesis of Plasmalogen Derivatives with Unnatural Fatty Acids as Substrates for Ferroptosis Induction. ACS Chem Biol. 2024 Aug 8.

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