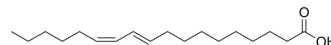


(10E,12Z)-Octadeca-10,12-dienoic acid

Cat. No.:	HY-116538		
CAS No.:	2420-56-6		
Molecular Formula:	C ₁₈ H ₃₂ O ₂		
Molecular Weight:	280.45		
Target:	Endogenous Metabolite; PPAR		
Pathway:	Metabolic Enzyme/Protease; Cell Cycle/DNA Damage; Vitamin D Related/Nuclear Receptor		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	(10E,12Z)-Octadeca-10,12-dienoic acid activates PPAR α and inhibits adipocyte differentiation ^[1] . (10E,12Z)-Octadeca-10,12-dienoic acid and its downstream metabolites have various antioxidant and antitumor activities. (10E,12Z)-Octadeca-10,12-dienoic acid is effective orally ^{[2][3]} .
IC₅₀ & Target	PPAR α

REFERENCES

- [1]. Houseknecht KL, et al. Dietary conjugated linoleic acid normalizes impaired glucose tolerance in the Zucker diabetic fatty fa/fa rat. *Biochem Biophys Res Commun.* 1998 Mar 27;244(3):678-82.
- [2]. Shultz TD, et al. Inhibitory effect of conjugated dienoic derivatives of linoleic acid and beta-carotene on the in vitro growth of human cancer cells. *Cancer Lett.* 1992 Apr 15;63(2):125-33.
- [3]. Park Y, et al. Conjugated fatty acids as a prevention tool for obesity and osteoporosis[M]//Emerging trends in dietary components for preventing and combating disease. American Chemical Society, 2012: 393-405

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

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