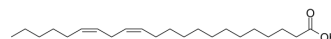


## 13Z,16Z-Docosadienoic acid

Cat. No.:	HY-114610
CAS No.:	17735-98-7
Molecular Formula:	C <sub>22</sub> H <sub>40</sub> O <sub>2</sub>
Molecular Weight:	336.55
Target:	Endogenous Metabolite; Free Fatty Acid Receptor
Pathway:	Metabolic Enzyme/Protease; GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	13Z,16Z-Docosadienoic acid, a ω-6 polyunsaturated fatty acid, possesses anti-borreliae effect. 13Z,16Z-Docosadienoic acid, as a long-chain fatty acid (LCFA), is a free fatty acid receptor 4 (FFAR4 or GPR120, a LCFA receptor) agonist <sup>[1]</sup> .
IC <sub>50</sub> & Target	Human Endogenous Metabolite

### REFERENCES

- [1]. Anna Goc, et al. Anti-borreliae efficacy of selected organic oils and fatty acids. BMC Complement Altern Med. 2019 Feb 4;19(1):40.
- [2]. Xiping Lu, et al. Postprandial inhibition of gastric ghrelin secretion by long-chain fatty acid through GPR120 in isolated gastric ghrelin cells and mice. Am J Physiol Gastrointest Liver Physiol. 2012 Aug 1;303(3):G367-76.

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

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