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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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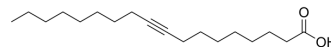
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9-Octadecynoic acid

Cat. No.:	HY-W341997		
CAS No.:	506-24-1		
Molecular Formula:	C ₁₈ H ₃₂ O ₂		
Molecular Weight:	280.45		
Target:	PPAR		
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (713.14 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
	Preparing Stock Solutions	1 mM	3.5657 mL	17.8285 mL
	5 mM	0.7131 mL	3.5657 mL	7.1314 mL
	10 mM	0.3566 mL	1.7828 mL	3.5657 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (17.83 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	9-Octadecynoic acid is a DNA binding agent with a dissociation constant of 1.8 mM. 9-Octadecynoic acid is also an agonist for peroxisome proliferator-activated receptor γ (PPAR γ) ^{[1][2]} .
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REFERENCES

- [1]. Berry DE, et al. 9-Octadecynoic acid: a novel DNA binding agent. *Chem Res Toxicol*. 1991 Mar-Apr;4(2):195-8.
- [2]. Ohtera A, et al. Identification of 6-octadecynoic acid from a methanol extract of *Marrubium vulgare* L. as a peroxisome proliferator-activated receptor γ agonist. *Biochem Biophys Res Commun*. 2013 Oct 18;440(2):204-9.

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

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