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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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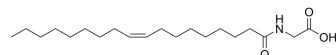
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N-Oleoyl glycine

Cat. No.:	HY-113204
CAS No.:	2601-90-3
Molecular Formula:	$C_{20}H_{37}NO_3$
Molecular Weight:	339.51
Target:	Endogenous Metabolite; Cannabinoid Receptor; Akt
Pathway:	Metabolic Enzyme/Protease; GPCR/G Protein; Neuronal Signaling; PI3K/Akt/mTOR
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (294.54 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	2.9454 mL	14.7271 mL	29.4542 mL
		5 mM	0.5891 mL	2.9454 mL	5.8908 mL
		10 mM	0.2945 mL	1.4727 mL	2.9454 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: ≥ 2.5 mg/mL (7.36 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	N-Oleoyl glycine is a lipoamino acid, which stimulates adipogenesis associated with activation of CB1 receptor and Akt signaling pathway in 3T3-L1 adipocyte.	
IC ₅₀ & Target	Human Endogenous Metabolite	CB1
In Vitro	N-Oleoyl glycine is a lipoamino acid, which stimulates adipogenesis associated with activation of CB1 receptor and Akt signaling pathway in 3T3-L1 adipocyte. N-Oleoyl glycine (1, 5, 10, 20, 50 μM) dose- and time-dependently stimulates 3T3-L1 adipogenesis after treatment for 1-10 days via activation of CB1R. N-Oleoyl glycine also elevates Akt signaling pathway during the differentiation of 3T3-L1 adipocytes ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

CUSTOMER VALIDATION

- Research Square Print. December 21st, 2022.

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REFERENCES

[1]. Wang S, et al. N-Oleoyl glycine, a lipoamino acid, stimulates adipogenesis associated with activation of CB1 receptor and Akt signaling pathway in 3T3-L1 adipocyte. Biochem Biophys Res Commun. 2015 Oct 23;466(3):438-43.

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

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