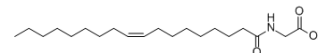


N-Oleoyl glycine

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)



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.		
IC₅₀ & Target	Human Endogenous Metabolite	CB1	Akt
In Vitro	<p>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].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>		

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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