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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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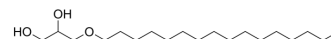
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1-O-Hexadecylglycerol

Cat. No.:	HY-W011309
CAS No.:	6145-69-3
Molecular Formula:	C ₁₉ H ₄₀ O ₃
Molecular Weight:	316.53
Target:	PPAR; PGE synthase
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor; Immunology/Inflammation
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (631.85 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	3.1593 mL	15.7963 mL	31.5926 mL	
		5 mM	0.6319 mL	3.1593 mL	6.3185 mL	
		10 mM	0.3159 mL	1.5796 mL	3.1593 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 (15.80 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	1-O-Hexadecylglycerol can up-regulate PPAR-γ expression, inhibit pGE2, and exhibit anti-inflammatory properties ^[1] . 1-O-Hexadecylglycerol is effective in oral administration ^[2] .
IC ₅₀ & Target	PPAR-γ

REFERENCES

- [1]. Yokota M, et al. Chimyl Alcohol Suppresses PGE2 Synthesis by Human Epidermal Keratinocytes through the Activation of PPAR-γ. J Oleo Sci. 2018 Apr 1;67(4):455-462.
- [2]. BLOMSTRAND R et al Absorption of chimyl alcohol in man. Proc Soc Exp Biol Med. 1959 Apr;100(4):802-5.

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

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