

Glycerol 1-(26-hydroxyhexacosanoate)

Chemical Properties

CAS No.:	177602-14-1
Formula:	C ₂₉ H ₅₈ O ₅
Molecular Weight:	486.78
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Glycerol 1-(26-hydroxyhexacosanoate) has weak activities antiplasmodial
Targets(IC ₅₀)	Others: None
In vitro	Antimalarial and cytotoxicity assays were conducted with cultured <i>P. falciparum</i> clones (W2, D6) and the oral epidermoid cancer cell line (KB). Chloroquine, artemisinin and quinine were employed as positive controls in the antimalarial assay. Results show that Glycerol 1-(26-hydroxyhexacosanoate) has weak in vitro activities against <i>Plasmodium falciparum</i> .

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.054 mL	10.272 mL	20.543 mL
5 mM	0.411 mL	2.054 mL	4.109 mL
10 mM	0.205 mL	1.027 mL	2.054 mL
50 mM	0.041 mL	0.205 mL	0.411 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. He Z D , Ma C Y , Tan G T , et al. Rourinoside and rouremin, antimalarial constituents from *Rourea minor*[J]. *Phytochemistry*, 2006, 67(13):1378-1384.

Inhibitors · Natural Compounds · Compound Libraries

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