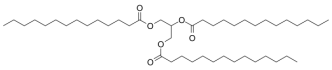
Trimyristin

Cat. No.:	HY-N2511
CAS No.:	555-45-3
Molecular Formula:	$C_{45}H_{86}O_6$
Molecular Weight:	723.16
Target:	AChE; Phosphatase; Endogenous Metabolite
Pathway:	Neuronal Signaling; Metabolic Enzyme/Protease
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 : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

BIOLOGICAL ACTIVITY

Description	Trimyristin, an active molluscicidal component of Myristica fragrans Houtt, significantly inhibits acetylcholinesterase (AChE), acid and alkaline phosphatase (ACP/ALP) activities in the nervous tissue of Lymnaea acuminata. IC_{50}s of Trimyristin against AChE, ACP, and ALP are 0.11, 0.16 and 0.18 mM, respectively[1].

REFERENCES

[1]. Jaiswal P, et al. Enzyme Inhibition by Molluscicidal Components of Myristica fragrans Houtt. in the NervousTissue of Snail Lymnaea acuminata. Enzyme Res. 2010;2010:478746.

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