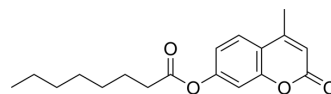


4-Methylumbelliferyl octanoate

Cat. No.:	HY-W099648
CAS No.:	20671-66-3
Molecular Formula:	C ₁₈ H ₂₂ O ₄
Molecular Weight:	302.36
Target:	Others
Pathway:	Others
Storage:	-20°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 : 100 mg/mL (330.73 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.3073 mL	16.5366 mL	33.0732 mL
		5 mM	0.6615 mL	3.3073 mL	6.6146 mL
	10 mM	0.3307 mL	1.6537 mL	3.3073 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 (8.27 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	4-Methylumbelliferyl octanoate is an octoate. 4-Methylumbelliferyl octanoate can be used as a substrate of hog pancreatic lipase ^[1] .
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REFERENCES

[1]. Melius P, et al. Studies on 4-methylumbelliferone caprylate as a substrate for hog pancreatic lipase. Anal Biochem. 1970 Oct;37(2):395-401.

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

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