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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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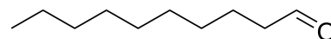
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Decyl aldehyde

Cat. No.:	HY-W012570
CAS No.:	112-31-2
Molecular Formula:	C ₁₀ H ₂₀ O
Molecular Weight:	156.27
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, stored under nitrogen
	* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (639.92 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		6.3992 mL	31.9959 mL	63.9918 mL
		5 mM		1.2798 mL	6.3992 mL	12.7984 mL
		10 mM		0.6399 mL	3.1996 mL	6.3992 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (16.00 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.00 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (16.00 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Decyl aldehyde is a simple ten-carbon aldehyde. Decyl aldehyde is a bacterial luciferase substrate.
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Hollis RP, et al. Toxicity of the bacterial luciferase substrate, n-decyl aldehyde, to *Saccharomyces cerevisiae* and *Caenorhabditis elegans*. FEBS Lett. 2001 Oct

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

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