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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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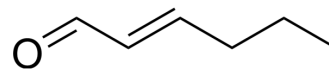
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Trans-2-Hexenal

Cat. No.:	HY-128429
CAS No.:	6728-26-3
Molecular Formula:	C ₆ H ₁₀ O
Molecular Weight:	98.14
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 : 50 mg/mL (509.48 mM; Need ultrasonic)																								
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th>Solvent Concentration</th> <th>Mass</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td></td> <td>10.1895 mL</td> <td>50.9476 mL</td> <td>101.8952 mL</td> </tr> <tr> <td>5 mM</td> <td></td> <td>2.0379 mL</td> <td>10.1895 mL</td> <td>20.3790 mL</td> </tr> <tr> <td>10 mM</td> <td></td> <td>1.0190 mL</td> <td>5.0948 mL</td> <td>10.1895 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass	1 mg	5 mg	10 mg	1 mM		10.1895 mL	50.9476 mL	101.8952 mL	5 mM		2.0379 mL	10.1895 mL	20.3790 mL	10 mM		1.0190 mL	5.0948 mL	10.1895 mL			
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Please refer to the solubility information to select the appropriate solvent.																									
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (25.47 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (25.47 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (25.47 mM); Clear solution 																								

BIOLOGICAL ACTIVITY

Description	Trans-2-Hexenal can be used for the determination of low-molecular-weight carbonyl compounds which are reactive with biological nucleophiles in biological samples ^[1] .
IC ₅₀ & Target	Determination of low-molecular-weight carbonyl compounds ^[1]

REFERENCES

[1]. Konidari CN, et al. Determination of plasma, urine, and bovine serum albumin low-molecular-weight carbonyl levels by capillary gas chromatography with electron-capture and mass-selective detection. *Anal Biochem.* 2005 Mar 1;338(1):62-70.

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

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