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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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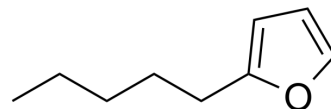
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2-Pentylfuran

Cat. No.:	HY-N7398		
CAS No.:	3777-69-3		
Molecular Formula:	C ₉ H ₁₄ O		
Molecular Weight:	138.21		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (723.54 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	7.2354 mL	36.1768 mL	72.3537 mL
	5 mM	1.4471 mL	7.2354 mL	14.4707 mL
	10 mM	0.7235 mL	3.6177 mL	7.2354 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (18.09 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (18.09 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (18.09 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2-Pentylfuran is the compound isolated from steam volatile oils obtained from potatoes at atmospheric pressure^[1].

REFERENCES

[1]. Ron G. Buttery, et al. Characterization of some volatile potato components.

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

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