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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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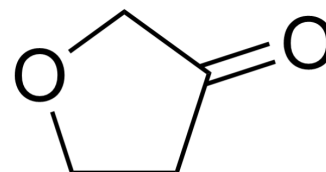
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Dihydrofuran-3(2H)-one

Cat. No.:	HY-33900
CAS No.:	22929-52-8
Molecular Formula:	C ₄ H ₆ O ₂
Molecular Weight:	86.09
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 (1161.58 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		11.6158 mL	58.0788 mL	116.1575 mL
		5 mM		2.3232 mL	11.6158 mL	23.2315 mL
		10 mM		1.1616 mL	5.8079 mL	11.6158 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: ≥ 10 mg/mL (116.16 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 10 mg/mL (116.16 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 10 mg/mL (116.16 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Dihydrofuran-3(2H)-one (3-Oxotetrahydrofuran) can be used to synthesize cyclic ketone inhibitors that inhibit the serine protease plasmin and increase its inhibitory activity ^[1] .
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REFERENCES

[1]. Xue F, et al. Structure-activity studies of cyclic ketone inhibitors of the serine protease plasmin: design, synthesis, and biological activity. Bioorg Med Chem. 2006 Dec 15;14(24):8467-87.

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

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