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Produktinformation



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Diagnostik & molekulare Diagnostik



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Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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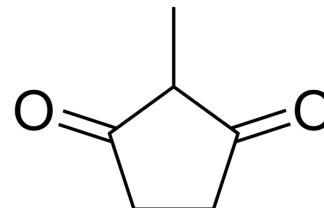
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2-Methylcyclopentane-1,3-dione

Cat. No.:	HY-W012944		
CAS No.:	765-69-5		
Molecular Formula:	C ₆ H ₈ O ₂		
Molecular Weight:	112.13		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-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 (891.82 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	8.9182 mL	44.5911 mL	89.1822 mL
	5 mM	1.7836 mL	8.9182 mL	17.8364 mL
	10 mM	0.8918 mL	4.4591 mL	8.9182 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 (22.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (22.30 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (22.30 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2-Methylcyclopentane-1,3-dione is a key intermediate for the total synthesis of steroids^[1].

REFERENCES

[1]. Victor J. Grenda, et al. A convenient synthesis of 2-methylcyclopentane-1,3-dione. RETURN TO ISSUEPREVARTICLENEXT

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

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