



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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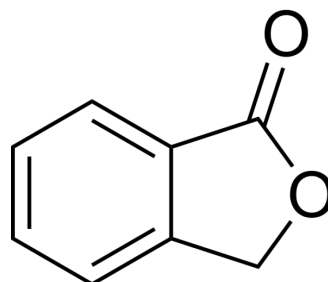
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Phthalide

Cat. No.:	HY-W015820		
CAS No.:	87-41-2		
Molecular Formula:	C ₈ H ₆ O ₂		
Molecular Weight:	134.13		
Target:	Bacterial		
Pathway:	Anti-infection		
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 (745.55 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	7.4555 mL	37.2773 mL	74.5545 mL
		5 mM	1.4911 mL	7.4555 mL	14.9109 mL
10 mM		0.7455 mL	3.7277 mL	7.4555 mL	
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 (18.64 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (18.64 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (18.64 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Phthalide is a promising chemical scaffold with a potent anti-inflammatory efficacy. Phthalide can be used to synthesize a variety of phthalide derivatives including anti-inflammatory agent, antimicrobial, antioxidant ^{[1][2][3]} .
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REFERENCES

[1]. Liu Zeng Chen, et al. Novel phthalide derivatives: Synthesis and anti-inflammatory activity in vitro and in vivo. Eur J Med Chem. 2020 Nov 15;206:112722.

[2]. Chakapong Intaraudom, et al. Antimicrobial drimane - phthalide derivatives from *Hypoxylon fendleri* BCC32408. *Fitoterapia*. 2019 Oct;138:104353.

[3]. Xin Fang, et al. Synthesis of phthalide derivatives and evaluation on their antiplatelet aggregation and antioxidant activities. *J Asian Nat Prod Res*. 2020 Dec;22(12):1176-1187.

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

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