



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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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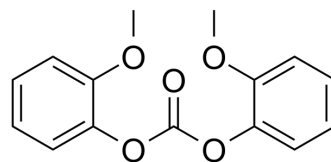
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Guaiacol Carbonate

Cat. No.:	HY-Y1876		
CAS No.:	553-17-3		
Molecular Formula:	C ₁₅ H ₁₄ O ₅		
Molecular Weight:	274.27		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (364.60 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.6460 mL	18.2302 mL	36.4604 mL
	5 mM	0.7292 mL	3.6460 mL	7.2921 mL
	10 mM	0.3646 mL	1.8230 mL	3.6460 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 (9.12 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (9.12 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Guaiacol Carbonate acts as an expectorant by virtue of a reflex from the stomach by way of the afferent gastric nerves to the medullary centres and then peripherally again to the respiratory tract^[1].

REFERENCES

- [1]. Stevens ME, et al. On the Expectorant Action of Creosote and the Guaiacols. Can Med Assoc J. 1943;48(2):124-127.

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

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