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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

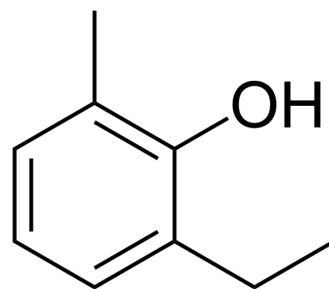
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

2-Ethyl-6-methylphenol

Cat. No.:	HY-W089538		
CAS No.:	1687-64-5		
Molecular Formula:	C ₉ H ₁₂ O		
Molecular Weight:	136.19		
Target:	Bacterial		
Pathway:	Anti-infection		
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 (734.27 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	7.3427 mL	36.7134 mL	73.4268 mL
			5 mM	1.4685 mL	7.3427 mL	14.6854 mL
			10 mM	0.7343 mL	3.6713 mL	7.3427 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: ≥ 2.5 mg/mL (18.36 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (18.36 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (18.36 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	2-Ethyl-6-methylphenol, an alkylphenol, is isolated from the tumorigenic neutral subfraction of cigarette smoke condensate. 2-Ethyl-6-methylphenol exhibits insecticidal and bactericidal activities ^{[1][2]} .
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REFERENCES

[1]. Miller RL, et, al. Alkylphenols and aryl nitriles in a biologically active neutral subfraction of cigarette smoke condensate. *Phytochemistry*. 1971 May; 10(5): 1135-1140.

[2]. Bedmutha R, et, al. Insecticidal and bactericidal characteristics of the bio-oil from the fast pyrolysis of coffee grounds. Journal of Analytical and Applied Pyrolysis. 2011 Mar; 90(2): 224-231.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA