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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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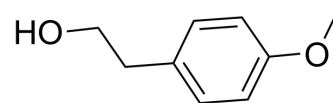
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4-Methoxyphenethyl alcohol

Cat. No.:	HY-W004056
CAS No.:	702-23-8
Molecular Formula:	C ₉ H ₁₂ O ₂
Molecular Weight:	152.19
Target:	DNA/RNA Synthesis; Bacterial
Pathway:	Cell Cycle/DNA Damage; 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 (657.07 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		6.5707 mL	32.8537 mL	65.7073 mL
		5 mM		1.3141 mL	6.5707 mL	13.1415 mL
		10 mM		0.6571 mL	3.2854 mL	6.5707 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 (16.43 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (16.43 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil					
	Solubility: ≥ 2.5 mg/mL (16.43 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	4-Methoxyphenethyl alcohol, an aromatic alcohol, is the major component in the anise-like odour produced by <i>Amorphophallus</i> . 4-Methoxyphenethyl alcohol can inhibits the protein, RNA and DNA synthesis in <i>Escherichia coli</i> ^[1] .
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REFERENCES

[1]. Kite GC, et, al. Inflorescence odours of *Amorphophallus* and *Pseudodracontium* (Araceae). *Phytochemistry*. 1997 Sep; 46(1): 71-75.

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

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