



SZABO SCANDIC

Part of Europa Biosite

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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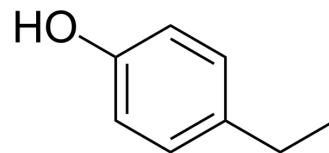
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4-Ethylphenol

| | | | |
|---------------------------|----------------------------------|-------|---------|
| Cat. No.: | HY-W012836 | | |
| CAS No.: | 123-07-9 | | |
| Molecular Formula: | C ₈ H ₁₀ O | | |
| Molecular Weight: | 122.17 | | |
| Target: | Endogenous Metabolite | | |
| Pathway: | Metabolic Enzyme/Protease | | |
| 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 : 60 mg/mL (491.12 mM; Need ultrasonic)
 H₂O : 2.63 mg/mL (21.53 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent | | Mass | | |
|---------------------------|---------------|--|-----------|------------|------------|
| | Concentration | | 1 mg | 5 mg | 10 mg |
| | 1 mM | | 8.1853 mL | 40.9266 mL | 81.8532 mL |
| | 5 mM | | 1.6371 mL | 8.1853 mL | 16.3706 mL |
| | 10 mM | | 0.8185 mL | 4.0927 mL | 8.1853 mL |

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: PBS
Solubility: 4.55 mg/mL (37.24 mM); Clear solution; Need ultrasonic and warming and heat to 60°C
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (20.46 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (20.46 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (20.46 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4-Ethylphenol is a volatile phenolic compound associated with off-odour in wine.

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Nieto-Rojo R, et al. Sorption of 4-ethylguaiacol and 4-ethylphenol on yeast cell walls, using a synthetic wine. Food Chem. 2014;152:399-406.

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

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