



Use/Importance: Stabiliser for vinyl and acrylic monomers

Biological Use/Importance: Used in the treatment of hyperpigmentation

Physical Description: Leaflets (H₂O)

Melting Point: Mp 53°

Boiling Point: Bp 243-246°. Bp₁₂ 128°

Solubility: Sl. sol. H₂O; sol. C₆H₆, Me₂CO, EtOH, EtOAc

pKa Value: pK_{a1} 10.12 (25°, 0.1M KCl)

Hazard & Toxicity: Fl. p. 132° (oc), autoignition temp. 421°. Skin irritant. LD₅₀ (rat, orl) 1600 mg/kg. Exp. skin sensitiser and depigmentator. OES: long-term 5 mg m⁻³

Aldrich: M1865-5

Fluka: 54050

Sigma: M5262

>>Derivative: Mono-Me ether, Ac

CAS Registry Number: 1200-06-2

Molecular Formula: C₉H₁₀O₃

Molecular Weight: 166.176

Accurate Mass: 166.062995

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Physical Description: Needles (petrol)

Melting Point: Mp 32°

>>Derivative: Di-Me ether

see 1,4-Dimethoxybenzene, [BKG39-W](#)

>>Derivative: Mono-Et ether

Synonym(s): 4-Ethoxyphenol

CAS Registry Number: 622-62-8

Molecular Formula: C₈H₁₀O₂

Molecular Weight: 138.166

Accurate Mass: 138.06808

Percentage Composition: C 69.55%; H 7.29%; O 23.16%

Biological Source: Isol. from star anise oils (*Illicium anisatum*) and *Illicium verum* and *Empleurum serrulatum*

Physical Description: Leaflets (H₂O)

Melting Point: Mp 66-67°

Boiling Point: Bp 246°. Bp 246-247°

Solubility: Sl. sol. H₂O; sol. C₆H₆, Me₂CO, EtOAc, EtOH

pKa Value: pK_{a1} 10.13 (25°)

Aldrich: 25859-8

>>Derivative: Di-Et ether

Synonym(s): 1,4-Diethoxybenzene

CAS Registry Number: 122-95-2

Molecular Formula: C₁₀H₁₄O₂

Molecular Weight: 166.219

Accurate Mass: 166.09938

Percentage Composition: C 72.26%; H 8.49%; O 19.25%

Physical Description: Prisms

Melting Point: Mp 72°

Boiling Point: Bp 246°

Solubility: Insol. H₂O; sol. C₆H₆, Me₂CO, EtOAc, EtOH

Rare Chemicals Library: S56368-4