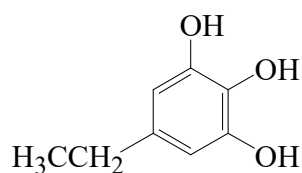




>>Entry Name: 5-Ethyl-1,2,3-benzenetriol, 9CI

Synonym(s): 5-Ethylpyrogallol



CAS Registry Number: 66125-16-4

Molecular Formula: C₈H₁₀O₃

Molecular Weight: 154.165

Accurate Mass: 154.062995

Percentage Composition: C 62.33%; H 6.54%; O 31.13%

Melting Point: Mp 86-87°

>>Derivative: 1,3-Di-Me ether

Synonym(s): 4-Ethyl-2,6-dimethoxyphenol. Ethylsyringol

CAS Registry Number: 14059-92-8

Molecular Formula: C₁₀H₁₄O₃

Molecular Weight: 182.219

Accurate Mass: 182.094295

Percentage Composition: C 65.92%; H 7.74%; O 26.34%

Biological Source: Formed by pyrolysis or hydrogenolysis of wood and other lignocellulose materials. Component of smoked food flavourings

Boiling Point: Bp_{0.02} 160-170° (bath temp.)

Refractive Index: n_D²⁵ 1.5335

References:

Mauthner, F., *J. Prakt. Chem.*, 1931, **129**, 281-284, (*synth*)

Pepper, J.M. *et al.*, *J.A.C.S.*, 1948, **70**, 67-71; 1951, **73**, 3316-3320, (*1,3-di-Me ether, synth, formn*)

Loubinoux, B. *et al.*, *Tet. Lett.*, 1980, **21**, 4991-4994, (*1,3-di-Me ether, formn, pmr*)

Guillen, M.D. *et al.*, *J. Agric. Food Chem.*, 1995, **43**, 463-468, (*1,3-di-Me ether, detn, glc*)