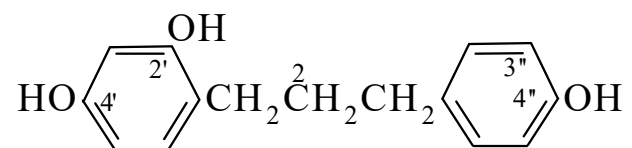




>>Entry Name: 1-(2,4-Dihydroxyphenyl)-3-(4-hydroxyphenyl)propane



Type of Compound Code(s): VK6600

Molecular Formula: C₁₅H₁₆O₃

Molecular Weight: 244.29

Accurate Mass: 244.109945

Percentage Composition: C 73.75%; H 6.60%; O 19.65%

Biological Source: Constit. of *Broussonetia papyrifera*

Physical Description: Brown powder

Melting Point: Mp 92-93°

UV: [neutral] λ_{max} 205 (log ε 4.28); 224 (log ε 4.07); 280 (log ε 3.59) (MeOH)

>>Derivative: 2'-Me ether

Synonym(s): 4-[3-(4-Hydroxyphenyl)propyl]-3-methoxyphenol, 9Cl. 1-(4-Hydroxyphenyl)-3-(4-hydroxy-2-methoxyphenyl)propane. **Broussonin B**

CAS Registry Number: 73731-86-9

Type of Compound Code(s): VK6600

Molecular Formula: C₁₆H₁₈O₃

Molecular Weight: 258.316

Accurate Mass: 258.125595

Percentage Composition: C 74.40%; H 7.02%; O 18.58%

Biological Source: Isol. from *Broussonetia papyrifera*

Use/Importance: Phytoalexin

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 99.5-100°

UV: [neutral] λ_{max} 220 (ε 16300); 280 (ε 4800) (EtOH) (Berdy)

>>Derivative: 4'-Me ether

Synonym(s): 2-[3-(4-Hydroxyphenyl)propyl]-5-methoxyphenol, 9Cl. 1-(4-Hydroxyphenyl)-3-(2-hydroxy-4-methoxyphenyl)propane. **Broussonin A**

CAS Registry Number: 73731-87-0

Type of Compound Code(s): VK6600

Molecular Formula: C₁₆H₁₈O₃

Molecular Weight: 258.316

Accurate Mass: 258.125595

Percentage Composition: C 74.40%; H 7.02%; O 18.58%

Biological Source: Isol. from *Broussonetia papyrifera*

Use/Importance: Phytoalexin

Physical Description: Cryst. (CH₂Cl₂)

Melting Point: Mp 101-101.5°

Solubility: BERDY SOL: Sol. MeOH, Me₂CO; poorly sol. H₂O

UV: [neutral] λ_{max} 225 (ε 17300); 280 (ε 5000) (EtOH) (Berdy)

References:

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Ronald, R.C. *et al.*, *J.O.C.*, 1984, **49**, 1658, (*synth*)

Lee, D. *et al.*, *J. Nat. Prod.*, 2001, **64**, 1286-1293, (*isol, pmr, cmr*)