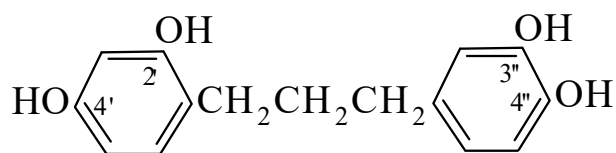




>>Entry Name: 1-(2,4-Dihydroxyphenyl)-3-(3,4-dihydroxyphenyl)propane

Synonym(s): 4-[3-[(2,4-Dihydroxyphenyl)propyl]]-1,2-benzenediol



Molecular Formula: C<sub>15</sub>H<sub>16</sub>O<sub>4</sub>

Molecular Weight: 260.289

Accurate Mass: 260.10486

Percentage Composition: C 69.22%; H 6.20%; O 24.59%

>>Derivative: 2',3''-Di-Me ether

Synonym(s): 1-(4-Hydroxy-2-methoxyphenyl)-3-(4-hydroxy-3-methoxyphenyl)propane. **Broussonin F**

CAS Registry Number: 57430-10-1

Type of Compound Code(s): VK6600

Molecular Formula: C<sub>17</sub>H<sub>20</sub>O<sub>4</sub>

Molecular Weight: 288.343

Accurate Mass: 288.13616

Percentage Composition: C 70.81%; H 6.99%; O 22.19%

Biological Source: Constit. of *Broussonetia papyrifera* and wood of *Iryanthera coriacea* and *Iryanthera elliptica*

Use/Importance: Antifungal phytoalexin

Physical Description: Oil

Solubility: BERDY SOL: Sol. MeOH, CHCl<sub>3</sub>; poorly sol. H<sub>2</sub>O, hexane

UV: [neutral] λ<sub>max</sub> 225 (ε 13500); 280 (ε 4800) (MeOH) (Berdy) [neutral] λ<sub>max</sub> 280 () (EtOH) (Berdy) [base] λ<sub>max</sub> 245 (ε 15740); 295 (ε 5850) (MeOH-NAOH) (Berdy)

>>Derivative: 2',4''-Di-Me ether

Synonym(s): 1-(3-Hydroxy-4-methoxyphenyl)-3-(4-hydroxy-2-methoxyphenyl)propane

CAS Registry Number: 65848-73-9

Type of Compound Code(s): VK6600

Molecular Formula: C<sub>17</sub>H<sub>20</sub>O<sub>4</sub>

Molecular Weight: 288.343

Accurate Mass: 288.13616

Percentage Composition: C 70.81%; H 6.99%; O 22.19%

Biological Source: Constit. of *Knema austrosiamensis*, *Virola multinervia* and *Virola sebifera*

Physical Description: Gum

>>Derivative: 3'',4'-Di-Me ether

Synonym(s): 1-(2-Hydroxy-4-methoxyphenyl)-3-(4-hydroxy-3-methoxyphenyl)propane

Type of Compound Code(s): VK6600

Molecular Formula: C<sub>17</sub>H<sub>20</sub>O<sub>4</sub>

Molecular Weight: 288.343

Accurate Mass: 288.13616

Percentage Composition: C 70.81%; H 6.99%; O 22.19%

Biological Source: Constit. of *Virola calophylloidea* and *Iryanthera elliptica*

Physical Description: Cryst. (MeOH/Me<sub>2</sub>CO)

Melting Point: Mp 87-88°

>>Derivative: 4',4''-Di-Me ether

Synonym(s): 1-(2-Hydroxy-4-methoxyphenyl)-3-(3-hydroxy-4-methoxyphenyl)propane. **Broussonin E**

CAS Registry Number: 90902-21-9

Type of Compound Code(s): VK6600

Molecular Formula: C<sub>17</sub>H<sub>20</sub>O<sub>4</sub>

Molecular Weight: 288.343

Accurate Mass: 288.13616

Percentage Composition: C 70.81%; H 6.99%; O 22.19%

Biological Source: Constit. of *Broussonetia papyrifera*

Use/Importance: Phytoalexin showing antifungal activity

Physical Description: Cryst.

Melting Point: Mp 72-74°

Solubility: BERDY SOL: Sol. MeOH, CHCl<sub>3</sub>; poorly sol. H<sub>2</sub>O, hexane

UV: [neutral] λ<sub>max</sub> 280 (ε 4500) (EtOH) (Berdy)