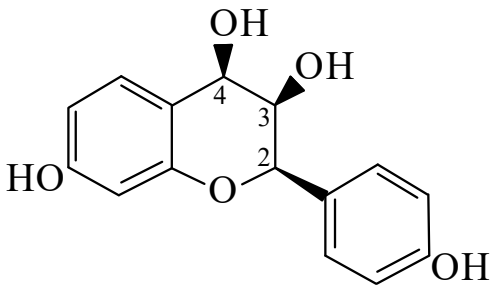
>>**Entry Name: 3,4,4',7-Tetrahydroxyflavan**
Synonym(s): 3,4-Dihydro-2-(4-hydroxyphenyl)-2*H*-1-benzopyran-3,4,7-triol, $_{9Cl}$. 4',7-Dihydroxy-3,4-flavandiol. **Guibourtacacidin**



(2*R*,3*R*,4*R*)-*form*

Related CAS Registry Numbers(s): 3527-02-4

Molecular Formula: $C_{15}H_{14}O_5$
Molecular Weight: 274.273
Accurate Mass: 274.084125
Percentage Composition: C 65.69%; H 5.14%; O 29.17%
Biological Source: Constit. of Rhodesian copal wood (*Guibourtia coleosperma*)
Physical Description: Solid
Melting Point: Mp 170 dec.° (reddens at 150°)
Optical Rotation: $[\alpha]_D^{21}$+11.7 (c, 0.7 in Me_2CO aq.)
Other Data: Natural Guibourtacacidin contains the 2,3-*cis*-3,4-*cis*-, the 2,3-*trans*-3,4-*trans*- and the 2,3-*trans*-3,4-*cis*-diol isomers in the ratio 5:1:1

>>**Variant:** (2*R*,3*R*,4*R*)-form
Synonym(s): 2,3-*cis*-3,4-*cis*-form

CAS Registry Number: 87860-90-0
Molecular Formula: $C_{15}H_{14}O_5$
Molecular Weight: 274.273
Accurate Mass: 274.084125
Percentage Composition: C 65.69%; H 5.14%; O 29.17%

>>**Derivative:** 4',7-Di-Me ether, di-Ac

Physical Description: Needles (EtOH)
Melting Point: Mp 142-143°

>>**Variant:** (2*R*,3*R*,4*S*)-form

CAS Registry Number: 113725-62-5
Molecular Formula: $C_{15}H_{14}O_5$
Molecular Weight: 274.273
Accurate Mass: 274.084125
Percentage Composition: C 65.69%; H 5.14%; O 29.17%

>>**Derivative:** 4',7-Di-Me ether, di-Ac

Physical Description: Prisms (EtOH)
Melting Point: Mp 108-109°

>>**Variant:** (2*R*,3*S*,4*R*)-form

CAS Registry Number: 38412-82-7

Molecular Formula: $C_{15}H_{14}O_5$
Molecular Weight: 274.273
Accurate Mass: 274.084125
Percentage Composition: C 65.69%; H 5.14%; O 29.17%
Biological Source: Isol. from *Acacia rhodoxylon* and *Acacia cultriformis*