



Molecular Weight: 254.196
Accurate Mass: 254.042655
Percentage Composition: C 51.98%; H 3.97%; O 44.06%
Melting Point: Mp 203°
Optical Rotation: $[\alpha]_{\text{D}}^{20} -6.4$ (c, 1.16 in EtOH)

>>**Derivative:** Dibenzoyl
Synonym(s): Dibenzoyltartaric acid

CAS Registry Number: 2743-38-6

Molecular Formula: C₁₈H₁₄O₈
Molecular Weight: 358.304
Accurate Mass: 358.06887
Percentage Composition: C 60.34%; H 3.94%; O 35.72%
Use/Importance: Resolving agent
Melting Point: Mp 152-155°. Mp 84-87° (45.5°)
Boiling Point: Bp₇ 234°
Optical Rotation: $[\alpha]_{\text{D}} -125$ (c, 1.13 in EtOH) (-116)
Other Data: Forms a monohydrate
Aldrich: 34584-9
Fluka: 33620
Sigma: D9126

>>**Derivative:** Bis-4-methylbenzoyl
Synonym(s): Di-*p*-toluoyl tartrate

CAS Registry Number: 32634-66-5

Molecular Formula: C₂₀H₁₈O₈
Molecular Weight: 386.357
Accurate Mass: 386.10017
Percentage Composition: C 62.18%; H 4.70%; O 33.13%
Use/Importance: Resolving agent
Melting Point: Mp 169-171°
Optical Rotation: $[\alpha]_{\text{D}} -141$ (EtOH)
Aldrich: 37141-6
Fluka: 43821
Sigma: D0556

>>**Derivative:** Mono(4-hydroxy-*E*-cinnamoyl)
Synonym(s): *trans*-Coutaric acid, *trans-p*-Coumaroyltartaric acid

CAS Registry Number: 27174-07-8
Extra CAS Registry Numbers(s): 69222-59-9
Molecular Formula: C₁₃H₁₂O₈
Molecular Weight: 296.233
Accurate Mass: 296.05322
Percentage Composition: C 52.71%; H 4.08%; O 43.21%
Biological Source: Constit. of grapes and wines
Physical Description: Cryst. + 1H₂O (H₂O)
Melting Point: Mp 194-195 dec.°

>>**Derivative:** Mono(4-hydroxy-*Z*-cinnamoyl)
Synonym(s): *cis*-Coutaric acid, *cis-p*-Coumaroyltartaric acid

CAS Registry Number: 67920-37-0
Molecular Formula: C₁₃H₁₂O₈
Molecular Weight: 296.233
Accurate Mass: 296.05322
Percentage Composition: C 52.71%; H 4.08%; O 43.21%
Biological Source: Constit. of grapes and wines