



>>Derivative: Bis-4-methylbenzoyl

CAS Registry Number: 32634-68-7

Use/Importance: Resolving agent for amines

Physical Description: Cryst. (Me₂O/C₆H₆)

Melting Point: Mp 173°

Optical Rotation: $[\alpha]_D^{20} +140$ (c, 1 in EtOH)

>>Derivative: Bis(3,4-dihydroxycinnamoyl)

>>Derivative: 2,3-*O*-Isopropylidene, di-Me ester

>>Variant: (2*RS*,3*RS*)-form

Synonym(s): (±)-form. Paratartaric acid

CAS Registry Number: 133-37-9

Molecular Formula: C₄H₆O₆

Molecular Weight: 150.088

Accurate Mass: 150.01644

Percentage Composition: C 32.01%; H 4.03%; O 63.96%

Source/Synthesis: Formed by heating the (+)-acid

Melting Point: Mp 205-206°

Other Data: The first racemate to be separated into its enantiomers

Hazard & Toxicity: Fl. p. 210° (oc), autoignition temp. 425°

Aldrich: T40-0

Fluka: 95330

Sigma: T5259

>>Derivative: Di-Me ester

CAS Registry Number: 608-69-5

Molecular Formula: C₆H₁₀O₆

Molecular Weight: 178.141

Accurate Mass: 178.04774

Percentage Composition: C 40.45%; H 5.66%; O 53.89%

Melting Point: Mp 84°. Mp 90° (dimorph.)

Boiling Point: Bp₁₂ 158°

>>Derivative: Di-Et ester

CAS Registry Number: 57968-71-5

Molecular Formula: C₈H₁₄O₆

Molecular Weight: 206.195

Accurate Mass: 206.07904

Percentage Composition: C 46.60%; H 6.84%; O 46.56%

Boiling Point: Bp_{11.5} 157°

>>Derivative: Di-Ac, dinitrile

Molecular Formula: C₈H₈N₂O₄

Molecular Weight: 196.162

Accurate Mass: 196.048408

Percentage Composition: C 48.98%; H 4.11%; N 14.28%; O 32.62%

Melting Point: Mp 97-98°

>>Derivative: Di-Me ether