



Synonym(s): Monomethyl tartrate

CAS Registry Number: 3333-46-8

Molecular Formula: C₅H₈O₆

Molecular Weight: 164.115

Accurate Mass: 164.03209

Percentage Composition: C 36.59%; H 4.91%; O 58.49%

Physical Description: Prisms (H₂O)

Melting Point: Mp 76°

Optical Rotation: [α]_D¹⁸ +18.7 (H₂O)

>>**Derivative:** Di-Me ester

Synonym(s): Dimethyl tartrate

CAS Registry Number: 608-68-4

Molecular Formula: C₆H₁₀O₆

Molecular Weight: 178.141

Accurate Mass: 178.04774

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

Use/Importance: Used in synth. of optically active 2-bromo ketones

Melting Point: Mp 48°. Mp 62° (dimorph.)

Aldrich: 16345-7

Fluka: 95365

Sigma: T4390

>>**Derivative:** Mono-Et ester

Synonym(s): Monoethyl tartrate

CAS Registry Number: 608-89-9

Molecular Formula: C₆H₁₀O₆

Molecular Weight: 178.141

Accurate Mass: 178.04774

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

Physical Description: Prisms (EtOH)

Melting Point: Mp 90 approx.°

Optical Rotation: [α]_D +21.8 (c, 2.2 in H₂O)

>>**Derivative:** Di-Et ester

Synonym(s): Diethyl tartrate

CAS Registry Number: 87-91-2

Molecular Formula: C₈H₁₄O₆

Molecular Weight: 206.195

Accurate Mass: 206.07904

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

Use/Importance: Flavouring ingredient

Melting Point: Mp 17°

Boiling Point: Bp₁₅ 155-156°

Optical Rotation: [α]_D²⁰ +7.5 (CHCl₃)

Density: d₄²⁰ 1.2

Refractive Index: n_D²⁰ 1.4476

Hazard & Toxicity: Fl. p. 93°

Aldrich: 15684-1

Fluka: 95355

Sigma: T9637