Synonym(s): Monomethyl tartrate

CAS Registry Number: 3333-46-8
Molecular Formula: $C_5H_8O_6$
Molecular Weight: 164.115
Accurate Mass: 164.03209
Percentage Composition: C 36.59%; H 4.91%; O 58.49%
Physical Description: Prisms (H_2O)
Melting Point: Mp 76°
Optical Rotation: $[\alpha]_D^{18}$+18.7 (H_2O)

>>**Derivative:** Di-Me ester
Synonym(s): Dimethyl tartrate

CAS Registry Number: 608-68-4

Molecular Formula: $C_6H_{10}O_6$
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: $C_6H_{10}O_6$
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: $[\alpha]_D$ +21.8 (c, 2.2 in H_2O)

>>**Derivative:** Di-Et ester
Synonym(s): Diethyl tartrate

CAS Registry Number: 87-91-2

Molecular Formula: $C_8H_{14}O_6$
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: Bp_{15} 155-156°
Optical Rotation: $[\alpha]_D^{20}$+7.5 ($CHCl_3$)
Density: d_4^{20}1.2
Refractive Index: n_D^{20} 1.4476
Hazard & Toxicity: Fl. p. 93°
Aldrich: 15684-1
Fluka: 95355
Sigma: T9637