



Optical Rotation: $[\alpha]_{\text{D}}^{20} +17$ (neat)

Aldrich: 22918-0

Fluka: 95364

Sigma: T4397

>>**Derivative:** Dibutyl ester

Synonym(s): Dibutyl tartrate

CAS Registry Number: 87-92-3

Extra CAS Registry Numbers(s): 15763-01-6

Molecular Formula: $\text{C}_{12}\text{H}_{22}\text{O}_6$

Molecular Weight: 262.302

Accurate Mass: 262.14164

Percentage Composition: C 54.95%; H 8.45%; O 36.60%

Melting Point: Mp 21-22°

Boiling Point: Bp₅ 175°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +11.5$ (neat)

Aldrich: 25393-6

Fluka: 95360

Sigma: T4896

>>**Derivative:** Mono-*tert*-butyl ester

Synonym(s): Mono-*tert*-butyl tartrate

CAS Registry Number: 210056-53-4

Molecular Formula: $\text{C}_8\text{H}_{14}\text{O}_6$

Molecular Weight: 206.195

Accurate Mass: 206.07904

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

Physical Description: Cryst. ($\text{CHCl}_3/\text{C}_6\text{H}_6$ <50°)

Melting Point: Mp 85°

Optical Rotation: $[\alpha]_{\text{Hg}}^{22} +9.88$ (c, 1.0 in Me_2CO)

Other Data: CAS no. refers to Na salt

>>**Derivative:** Di-*tert*-butyl ester

Synonym(s): Di-*tert*-butyl tartrate

CAS Registry Number: 117384-45-9

Molecular Formula: $\text{C}_{12}\text{H}_{22}\text{O}_6$

Molecular Weight: 262.302

Accurate Mass: 262.14164

Percentage Composition: C 54.95%; H 8.45%; O 36.60%

Melting Point: Mp 91°

Optical Rotation: $[\alpha]_{\text{Hg}}^{22} +12.2$ (c, 1.0 in Me_2CO)

>>**Derivative:** Di-2-propenyl ester

Synonym(s): Diallyl tartrate

CAS Registry Number: 57833-54-2

Molecular Formula: $\text{C}_{10}\text{H}_{14}\text{O}_6$

Molecular Weight: 230.217

Accurate Mass: 230.07904

Percentage Composition: C 52.17%; H 6.13%; O 41.70%

Physical Description: Liq.

Boiling Point: Bp₄ 162°

Density: d^{20} 1.1979

Refractive Index: n_{D}^{20} 1.4738

Other Data: Undergoes radical homopolym. and copolym.