



Percentage Composition: C 38.10%; H 5.86%; N 22.21%; O 33.83%

Melting Point: Mp 210-215°

Solubility: Sol. hot H₂O; insol. EtOH, Et₂O

>>**Derivative:** Trianilide

Molecular Formula: C₂₄H₂₃N₃O₄

Molecular Weight: 417.463

Accurate Mass: 417.168857

Percentage Composition: C 69.05%; H 5.55%; N 10.07%; O 15.33%

Physical Description: Needles (EtOH, H₂O)

Melting Point: Mp 192°

>>**Derivative:** Ac

Synonym(s): *O*-Acetylcitric acid. 2-Acetoxytricarballic acid

CAS Registry Number: 17140-33-9

Molecular Formula: C₈H₁₀O₈

Molecular Weight: 234.162

Accurate Mass: 234.03757

Percentage Composition: C 41.03%; H 4.30%; O 54.66%

Melting Point: Mp 138-140°

Solubility: Sol. H₂O

>>**Derivative:** Ac, tri-Me ester

CAS Registry Number: 146340-22-9

Molecular Formula: C₁₁H₁₆O₈

Molecular Weight: 276.243

Accurate Mass: 276.08452

Percentage Composition: C 47.83%; H 5.84%; O 46.33%

Boiling Point: Bp₁₅ 171°

>>**Derivative:** Ac, tri-Et ester

CAS Registry Number: 77-89-4

Molecular Formula: C₁₄H₂₂O₈

Molecular Weight: 318.323

Accurate Mass: 318.13147

Percentage Composition: C 52.82%; H 6.97%; O 40.21%

Use/Importance: Plasticiser with low oral toxicity

Boiling Point: Bp₁₅ 197°

Aldrich: 38835-1

>>**Derivative:** Ac, tributyl ester

Synonym(s): Acetyl tributyl citrate. ATBC

CAS Registry Number: 77-90-7

Molecular Formula: C₂₀H₃₄O₈

Molecular Weight: 402.484

Accurate Mass: 402.22537

Percentage Composition: C 59.68%; H 8.51%; O 31.80%

Use/Importance: Plasticiser, e.g. for vinylidene chloride-vinyl chloride copolymer films

Physical Description: Liq.

Boiling Point: Bp₁ 165-170°

Other Data: Mp >330°

>>**Derivative:** Me ether

Synonym(s): 2-Methoxy-1,2,3-propanetricarboxylic acid

CAS Registry Number: 86406-84-0

Molecular Formula: C₇H₁₀O₇

Molecular Weight: 206.152

Accurate Mass: 206.042655

Percentage Composition: C 40.78%; H 4.89%; O 54.33%

Melting Point: Mp 130-131°