



Molecular Weight: 206.152
Accurate Mass: 206.042655
Percentage Composition: C 40.78%; H 4.89%; O 54.33%
Biological Source: Isol. from fruit of *Rhus parviflora*
Physical Description: Cryst. (Me₂CO)
Melting Point: Mp 174-175° (167°)

>>Derivative: 1,2-Di-Me ester

CAS Registry Number: 53798-97-3
Molecular Formula: C₈H₁₂O₇
Molecular Weight: 220.179
Accurate Mass: 220.058305
Percentage Composition: C 43.64%; H 5.49%; O 50.87%
Physical Description: Cryst. (toluene)
Melting Point: Mp 80-81°

>>Derivative: 1,3-Di-Me ester

CAS Registry Number: 53798-96-2
Molecular Formula: C₈H₁₂O₇
Molecular Weight: 220.179
Accurate Mass: 220.058305
Percentage Composition: C 43.64%; H 5.49%; O 50.87%
Melting Point: Mp 125-126°

>>Derivative: Tri-Me ester

Synonym(s): Trimethyl citrate. Methyl citrate

CAS Registry Number: 1587-20-8
Molecular Formula: C₉H₁₄O₇
Molecular Weight: 234.205
Accurate Mass: 234.073955
Percentage Composition: C 46.16%; H 6.02%; O 47.82%
Physical Description: Solid
Melting Point: Mp 78-79°
Boiling Point: Bp 283-287° dec. (dehydrates)
Rare Chemicals Library: S37791-0

>>Derivative: 1-Et ester

Molecular Formula: C₈H₁₂O₇
Molecular Weight: 220.179
Accurate Mass: 220.058305
Percentage Composition: C 43.64%; H 5.49%; O 50.87%
Physical Description: Prisms (Et₂O)
Melting Point: Mp 109°
pKa Value: p*K*_a 3.12

>>Derivative: 2-Et ester

Molecular Formula: C₈H₁₂O₇
Molecular Weight: 220.179
Accurate Mass: 220.058305
Percentage Composition: C 43.64%; H 5.49%; O 50.87%
Physical Description: Prisms (Et₂O)
Melting Point: Mp 98°
pKa Value: p*K*_a 3.64

>>Derivative: 1,2-Di-Et ester

CAS Registry Number: 19958-02-2
Molecular Formula: C₁₀H₁₆O₇
Molecular Weight: 248.232
Accurate Mass: 248.089605
Percentage Composition: C 48.39%; H 6.50%; O 45.12%
Melting Point: Mp 68°
pKa Value: p*K*_a 3.8