



Physical Description: Leaflets

Melting Point: Mp 20°

Boiling Point: Bp 193°. Bp₂₅ 103-104°

Solubility: Sol. Et₂O, Me₂CO, C₆H₆

Hazard & Toxicity: Fl. p. >66°. Skin and eye irritant. LD₅₀ (mus, ipr) 62 mg/kg

Aldrich: S645-2

Fluka: 14140

Sigma: S9628

>>Derivative: Dibromide

CAS Registry Number: 78209-71-9

Molecular Formula: C₄H₄Br₂O₂

Molecular Weight: 243.882

Accurate Mass: 241.897802

Percentage Composition: C 19.70%; H 1.65%; Br 65.53%; O 13.12%

Physical Description: Liq.

Boiling Point: Bp₁₃ 105-106°

>>Derivative: Monoamide

Synonym(s): 4-Amino-4-oxobutanoic acid, 9Cl. Succinamic acid, 8Cl. Succinic acid monoamide

CAS Registry Number: 638-32-4

Molecular Formula: C₄H₇NO₃

Molecular Weight: 117.104

Accurate Mass: 117.042594

Percentage Composition: C 41.03%; H 6.02%; N 11.96%; O 40.99%

Physical Description: Needles (Me₂CO)

Melting Point: Mp 157°

Solubility: Mod. sol. H₂O; spar. sol. EtOH

pKa Value: pK_{a1} 4.57 (19°)

Aldrich: 13437-6

>>Derivative: Monoamide, *N*-hydroxy

Synonym(s): *N*-Hydroxysuccinamic acid

CAS Registry Number: 4743-99-1

Molecular Formula: C₄H₇NO₄

Molecular Weight: 133.104

Accurate Mass: 133.037509

Percentage Composition: C 36.10%; H 5.30%; N 10.52%; O 48.08%

Use/Importance: Used as a 5% aq. soln. of di-K salt for photometric detn. of Fe, Mn, Ti, V

Physical Description: Cryst. (H₂O) (as di-K salt)

>>Derivative: Me ester-amide

CAS Registry Number: 53171-39-4

Molecular Formula: C₅H₉NO₃

Molecular Weight: 131.131

Accurate Mass: 131.058244

Percentage Composition: C 45.80%; H 6.92%; N 10.68%; O 36.60%

Physical Description: Plates

Melting Point: Mp 89-91°

>>Derivative: Et ester-amide

CAS Registry Number: 53171-35-0

Molecular Formula: C₆H₁₁NO₃

Molecular Weight: 145.158

Accurate Mass: 145.073894

Percentage Composition: C 49.65%; H 7.64%; N 9.65%; O 33.07%

Melting Point: Mp 74-75°

Boiling Point: Bp 230-240°