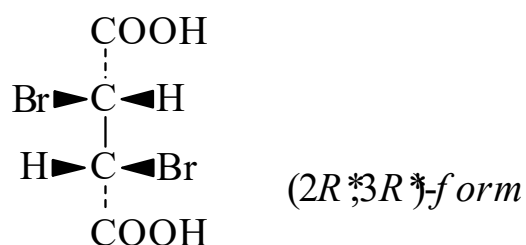




>>Entry Name: 2,3-Dibromobutanedioic acid, 9CI

Synonym(s): 2,3-Dibromosuccinic acid



CAS Registry Number: 526-78-3

Related CAS Registry Numbers(s): 1114-00-7

Molecular Formula: C₄H₄Br₂O₄

Molecular Weight: 275.881

Accurate Mass: 273.887632

Percentage Composition: C 17.41%; H 1.46%; Br 57.93%; O 23.20%

Rare Chemicals Library: S81996-4

>>Variant: (2*R**,3*R**)-form

Synonym(s): (+)-form

Molecular Formula: C₄H₄Br₂O₄

Molecular Weight: 275.881

Accurate Mass: 273.887632

Percentage Composition: C 17.41%; H 1.46%; Br 57.93%; O 23.20%

Melting Point: Mp 157-158°

Optical Rotation: $[\alpha]_{\text{D}}^{24} +147.8$ (EtOAc)

>>Variant: (2*S**,3*S**)-form

Synonym(s): (–)-form

Molecular Formula: C₄H₄Br₂O₄

Molecular Weight: 275.881

Accurate Mass: 273.887632

Percentage Composition: C 17.41%; H 1.46%; Br 57.93%; O 23.20%

Physical Description: Needles (C₆H₆)

Solubility: Sol. H₂O, MeOH, Me₂CO, EtOAc; spar. sol. CHCl₃, petrol

>>Variant: (2*RS*,3*RS*)-form

Synonym(s): Isodibromosuccinic acid. Allodibromosuccinic acid

CAS Registry Number: 608-36-6

Molecular Formula: C₄H₄Br₂O₄

Molecular Weight: 275.881

Accurate Mass: 273.887632

Percentage Composition: C 17.41%; H 1.46%; Br 57.93%; O 23.20%

Melting Point: Mp 166-167°

pKa Value: p*K*_{a1} 1.43; p*K*_{a2} 3.24 (25°)

Aldrich: 10547-3

Fluka: 34020

>>Derivative: Di-Me ester

CAS Registry Number: 1186-98-7

Molecular Formula: C₆H₈Br₂O₄

Molecular Weight: 303.935

Accurate Mass: 301.918932

Percentage Composition: C 23.71%; H 2.65%; Br 52.58%; O 21.06%

Melting Point: Mp 43°