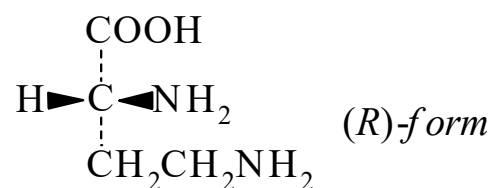




>>Entry Name: 2,4-Diaminobutanoic acid, 9CI
ENTRY UNDER REVIEW



CAS Registry Number: 305-62-4

Molecular Formula: C₄H₁₀N₂O₂

Molecular Weight: 118.135

Accurate Mass: 118.074228

Percentage Composition: C 40.67%; H 8.53%; N 23.71%; O 27.09%

>>Variant: (R)-form

Synonym(s): D-form

CAS Registry Number: 26908-94-1

Molecular Formula: C₄H₁₀N₂O₂

Molecular Weight: 118.135

Accurate Mass: 118.074228

Percentage Composition: C 40.67%; H 8.53%; N 23.71%; O 27.09%

>>Derivative: Oxalate

Physical Description: Plates (H₂O)

Melting Point: Mp 205 dec.°

>>Derivative: Dipicrate

Physical Description: Prisms (H₂O)

Melting Point: Mp 187 dec.°

>>Derivative: N²,N⁴-Dibenzoyl

Molecular Formula: C₁₈H₁₈N₂O₄

Molecular Weight: 326.351

Accurate Mass: 326.126658

Percentage Composition: C 66.25%; H 5.56%; N 8.58%; O 19.61%

Physical Description: Needles (EtOH)

Melting Point: Mp 149°

Optical Rotation: [α]_D¹⁵ -16.36 (MeOH)

Solubility: Spar. sol. H₂O

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 1758-80-1

Molecular Formula: C₄H₁₀N₂O₂

Molecular Weight: 118.135

Accurate Mass: 118.074228

Percentage Composition: C 40.67%; H 8.53%; N 23.71%; O 27.09%

Biological Source: Found in free state in seeds of *Lathyrus* spp. and other seeds of Legumes. Residue present in antibiotics e.g. Colistin

>>Derivative: Hydrochloride

CAS Registry Number: 1482-98-0

Physical Description: Prisms

Melting Point: Mp 225 dec.°

Optical Rotation: [α]_D²¹ +23.8 (6M HCl)

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 1883-09-6

Physical Description: Prisms

Melting Point: Mp 197-198°

Optical Rotation: [α]