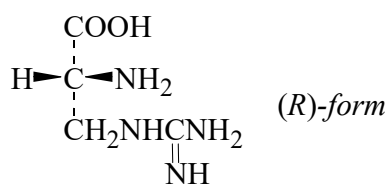




>>Entry Name: 2-Amino-3-guanidinopropionic acid, 8Cl

Synonym(s): 3-[(Aminoiminomethyl)amino]alanine, 9Cl



CAS Registry Number: 2462-51-3

Molecular Formula: C₄H₁₀N₄O₂

Molecular Weight: 146.149

Accurate Mass: 146.080376

Percentage Composition: C 32.87%; H 6.90%; N 38.34%; O 21.89%

>>Variant: (*R*)-form

Synonym(s): D-form

CAS Registry Number: 62278-97-1

Molecular Formula: C₄H₁₀N₄O₂

Molecular Weight: 146.149

Accurate Mass: 146.080376

Percentage Composition: C 32.87%; H 6.90%; N 38.34%; O 21.89%

Optical Rotation: $[\alpha]_{\text{D}}^{28} -12.5$ (c, 0.18 in H₂O) (as hydrochloride)

>>Variant: (*S*)-form

Synonym(s): L-form

CAS Registry Number: 14191-91-4

Molecular Formula: C₄H₁₀N₄O₂

Molecular Weight: 146.149

Accurate Mass: 146.080376

Percentage Composition: C 32.87%; H 6.90%; N 38.34%; O 21.89%

>>Derivative: Hydrochloride

CAS Registry Number: 1482-99-1

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 210°

Optical Rotation: $[\alpha]_{\text{D}}^{22} +14.4$ (c, 2.8 in H₂O)

Sigma: A5402

>>Derivative: Me ester

CAS Registry Number: 56217-32-4

Molecular Formula: C₅H₁₂N₄O₂

Molecular Weight: 160.175

Accurate Mass: 160.096026

Percentage Composition: C 37.49%; H 7.55%; N 34.98%; O 19.98%

Physical Description: Cryst. (as dihydrochloride)

Melting Point: Mp 172° (dihydrochloride)

>>Derivative: *N*-4-Methylphenylsulfonyl

CAS Registry Number: 3476-23-1

Molecular Formula: C₁₁H₁₆N₄O₄S

Molecular Weight: 300.338

Accurate Mass: 300.089226

Percentage Composition: C 43.99%; H 5.37%; N 18.65%; O 21.31%; S 10.68%

Physical Description: Cryst. + 2H₂O (AcOH aq.)

Melting Point: Mp 190-195° (dihydrate)

>>Variant: (±)-form

Molecular Formula: C₄H₁₀N₄O₂

Molecular Weight: 146.149

Accurate Mass: 146.080376

Percentage Composition: C 32.87%; H 6.90%; N 38.34%; O 21.89%