



>> **Name:** 2-Amino-6-ureidohexanoic acid

Synonym(s): *N*⁶-(Aminocarbonyl)lysine, 9Cl. Homocitrulline. Ureidonorleucine



Molecular Formula: C₇H₁₅N₃O₃

Molecular Weight: 189.214

Accurate Mass: 189.111342

Percentage Composition: C 44.43%; H 7.99%; N 22.21%; O 25.37%

>> **Variant:** (S)-form

Synonym(s): L-form

CAS Registry Number: 1190-49-4

Molecular Formula: C₇H₁₅N₃O₃

Molecular Weight: 189.214

Accurate Mass: 189.111342

Percentage Composition: C 44.43%; H 7.99%; N 22.21%; O 25.37%

Physical Description: Plates (Me₂CO aq.)

Melting Point: Mp 211-212 dec.°

Optical Rotation: [α]_{Hg}²⁵ +6.9 (H₂O). [α]_{Hg546}²⁵ +27.5 (1*M* HCl)

>> **Derivative:** Hydrochloride

CAS Registry Number: 36516-79-7

Melting Point: Mp 177-178 dec.°

>> **Variant:** (±)-form

Molecular Formula: C₇H₁₅N₃O₃

Molecular Weight: 189.214

Accurate Mass: 189.111342

Percentage Composition: C 44.43%; H 7.99%; N 22.21%; O 25.37%

Melting Point: Mp 224 dec.°

References:

Kurtz, A.C., *J. Biol. Chem.*, 1949, **180**, 1253, (*synth*)

Ashida, T. *et al.*, *Acta Cryst. B*, 1972, **28**, 1367, (*cryst struct*)