



>>Entry Name: **Amidinourea**, 8Cl

Synonym(s): (Aminoiminomethyl)urea, 9Cl. Carbamoylguanidine. Dicyandiamidine. Guanylurea. (Aminocarbonyl) guanidine

CAS Registry Number: 141-83-3

Related CAS Registry Numbers(s): 17675-60-4

$\text{HN}=\text{C}(\text{NH}_2)\text{NHCONH}_2$

Molecular Formula: $\text{C}_2\text{H}_6\text{N}_4\text{O}$

Molecular Weight: 102.096

Accurate Mass: 102.054161

Percentage Composition: C 23.53%; H 5.92%; N 54.88%; O 15.67%

Physical Description: Prisms

Melting Point: Mp 109-110° (105°)

Solubility: Sol. H_2O

pKa Value: pK_a 7.85 (25°)

Rare Chemicals Library: S57591-7

>>Derivative: Hydrochloride

Physical Description: Cryst.

Melting Point: Mp 173-175 dec.°

>>Derivative: Sulfate

CAS Registry Number: 591-01-5

Melting Point: Mp 199 dec.° (hydrate)

Rare Chemicals Library: S41478-6

>>Derivative: Picrate

Physical Description: Yellow plates (H_2O)

Melting Point: Mp 265°

>>Derivative: Benzoyl

Molecular Formula: $\text{C}_9\text{H}_{10}\text{N}_4\text{O}_2$

Molecular Weight: 206.204

Accurate Mass: 206.080376

Percentage Composition: C 52.42%; H 4.89%; N 27.17%; O 15.52%

Physical Description: Cryst.

Melting Point: Mp 187-188°