



>> **Name:** 11-Aminoundecanoic acid, 9Cl

CAS Registry Number: 2432-99-7

Related CAS Registry Numbers(s): 29833-32-7

$\text{H}_2\text{NCH}_2(\text{CH}_2)_9\text{COOH}$

Molecular Formula: $\text{C}_{11}\text{H}_{23}\text{NO}_2$

Molecular Weight: 201.308

Accurate Mass: 201.172879

Percentage Composition: C 65.63%; H 11.52%; N 6.96%; O 15.90%

Use/Importance: Homopolym. gives Nylon-11

Melting Point: Mp 190-192° (185-187°)

Aldrich: A8260-5

Fluka: 9620

Sigma: A4897

>>**Derivative:** Me ester

CAS Registry Number: 28691-27-2

Molecular Formula: $\text{C}_{12}\text{H}_{25}\text{NO}_2$

Molecular Weight: 215.335

Accurate Mass: 215.188529

Percentage Composition: C 66.93%; H 11.70%; N 6.50%; O 14.86%

Physical Description: Solid (MeOH) (as hydrochloride)

Melting Point: Mp 160° (hydrochloride)

>>**Derivative:** Et ester

CAS Registry Number: 15351-28-7

Molecular Formula: $\text{C}_{13}\text{H}_{27}\text{NO}_2$

Molecular Weight: 229.362

Accurate Mass: 229.204179

Percentage Composition: C 68.08%; H 11.86%; N 6.11%; O 13.95%

Boiling Point: Bp_{0.1} 125-130°

>>**Derivative:** Lactam

References:

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Zahn, H. *et al.*, *Chem. Ber.*, 1961, **94**, 2470, (*synth*)

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