



>>Entry Name: 5-Aminopentanoic acid, 9Cl

CAS Registry Number: 660-88-8

$\text{H}_2\text{NCH}_2(\text{CH}_2)_3\text{COOH}$

Molecular Formula: $\text{C}_5\text{H}_{11}\text{NO}_2$

Molecular Weight: 117.147

Accurate Mass: 117.078979

Percentage Composition: C 51.26%; H 9.46%; N 11.96%; O 27.31%

Physical Description: Leaflets

Melting Point: Mp 157-158 dec.°

pKa Value: $\text{p}K_{\text{a}1}$ 4.26; $\text{p}K_{\text{a}2}$ 10.71 (25°, 0.5M NaCl)

Other Data: On melting, forms lactam, 2-Piperidinone [DFN10-D](#)

Aldrich: 12318-8

Fluka: 9650

Sigma: A5800

>>Derivative: Hydrochloride

CAS Registry Number: 627-95-2

Melting Point: Mp 95-97°

Aldrich: 19433-6

Sigma: A4130

>>Derivative: Me ester

CAS Registry Number: 29840-56-0

Molecular Formula: $\text{C}_6\text{H}_{13}\text{NO}_2$

Molecular Weight: 131.174

Accurate Mass: 131.094629

Percentage Composition: C 54.94%; H 9.99%; N 10.68%; O 24.39%

Physical Description: Solid (as hydrochloride)

Melting Point: Mp 138° (hydrochloride)

>>Derivative: Et ester

CAS Registry Number: 29840-57-1

Molecular Formula: $\text{C}_7\text{H}_{15}\text{NO}_2$

Molecular Weight: 145.201

Accurate Mass: 145.110279

Percentage Composition: C 57.90%; H 10.41%; N 9.65%; O 22.04%

Melting Point: Mp 77-80° (as hydrochloride)

pKa Value: $\text{p}K_{\text{a}1}$ 10.15 (25°)

>>Derivative: *N*-Benzoyl, Et ester

Molecular Formula: $\text{C}_{14}\text{H}_{19}\text{NO}_3$

Molecular Weight: 249.309

Accurate Mass: 249.136494

Percentage Composition: C 67.45%; H 7.68%; N 5.62%; O 19.25%

Physical Description: Cryst.

Melting Point: Mp 36°

>>Derivative: *N*-Benzoyl, amide

Molecular Formula: $\text{C}_{12}\text{H}_{16}\text{N}_2\text{O}_2$

Molecular Weight: 220.271

Accurate Mass: 220.121178

Percentage Composition: C 65.43%; H 7.32%; N 12.72%; O 14.53%

Physical Description: Cryst. (H_2O)

Melting Point: Mp 181.5°

>>Derivative: Lactam