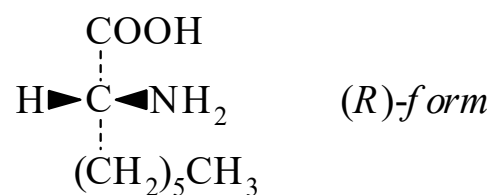




>>Entry Name: 2-Aminooctanoic acid, 9CI

Synonym(s): 2-Aminocaprylic acid



CAS Registry Number: 2187-07-7

Molecular Formula: $\text{C}_8\text{H}_{17}\text{NO}_2$

Molecular Weight: 159.228

Accurate Mass: 159.125929

Percentage Composition: C 60.35%; H 10.76%; N 8.80%; O 20.10%

Fluka: 9050

Rare Chemicals Library: S58022-8

>>Variant: (R)-form

Synonym(s): D-form

Molecular Formula: $\text{C}_8\text{H}_{17}\text{NO}_2$

Molecular Weight: 159.228

Accurate Mass: 159.125929

Percentage Composition: C 60.35%; H 10.76%; N 8.80%; O 20.10%

Optical Rotation: $[\alpha]_{\text{D}} -23$ (5N HCl)

>>Variant: (S)-form

Synonym(s): L-form

Molecular Formula: $\text{C}_8\text{H}_{17}\text{NO}_2$

Molecular Weight: 159.228

Accurate Mass: 159.125929

Percentage Composition: C 60.35%; H 10.76%; N 8.80%; O 20.10%

Optical Rotation: $[\alpha]_{\text{D}} +23$ (5N HCl)

>>Variant: ($\pm$)-form

CAS Registry Number: 644-90-6

Molecular Formula: $\text{C}_8\text{H}_{17}\text{NO}_2$

Molecular Weight: 159.228

Accurate Mass: 159.125929

Percentage Composition: C 60.35%; H 10.76%; N 8.80%; O 20.10%

Physical Description: Leaflets (H_2O)

Melting Point: Mp 270°

Solubility: Spar. sol. H_2O , EtOH, Et_2O

Other Data: Subl.

Aldrich: 21770-0

>>Derivative: Me ester

CAS Registry Number: 50833-29-9

Molecular Formula: $\text{C}_9\text{H}_{19}\text{NO}_2$

Molecular Weight: 173.255

Accurate Mass: 173.141579

Percentage Composition: C 62.39%; H 11.05%; N 8.08%; O 18.47%

Melting Point: Mp 76-77° (as hydrochloride)

>>Derivative: Amide

CAS Registry Number: 63942-62-1

Molecular Formula: $\text{C}_8\text{H}_{18}\text{N}_2\text{O}$

Molecular Weight: 158.243

Accurate Mass: 158.141913

Percentage Composition: C 60.72%; H 11.46%; N 17.70%; O 10.11%

Melting Point: Mp 96.8-97.3°