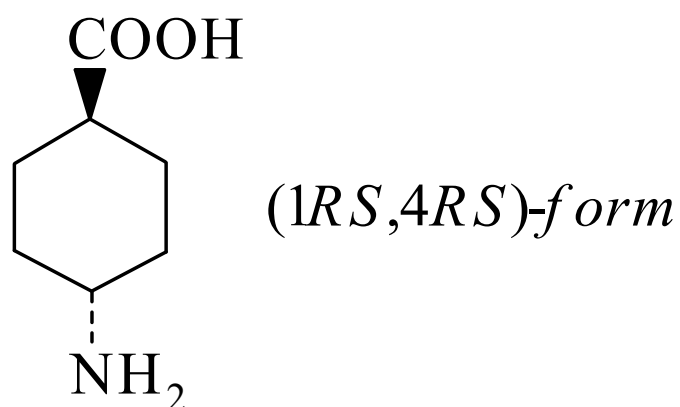




>>Entry Name: 4-Aminocyclohexanecarboxylic acid, 9CI

Synonym(s): Cyclohexylamine-4-carboxylic acid



CAS Registry Number: 1776-53-0

Molecular Formula: C₇H₁₃NO₂

Molecular Weight: 143.185

Accurate Mass: 143.094629

Percentage Composition: C 58.72%; H 9.15%; N 9.78%; O 22.35%

pKa Value: pK_{a1} 4.3; pK_{a2} 10.5

>>Variant: (1R,4R)-form

Synonym(s): *trans*-form

CAS Registry Number: 3685-25-4

Molecular Formula: C₇H₁₃NO₂

Molecular Weight: 143.185

Accurate Mass: 143.094629

Percentage Composition: C 58.72%; H 9.15%; N 9.78%; O 22.35%

>>Derivative: Hydrochloride

Melting Point: Mp 273°

>>Derivative: *N*-Ac

Melting Point: Mp 234°

>>Variant: (1R,4S)-form

Synonym(s): *cis*-form

CAS Registry Number: 3685-23-2

Molecular Formula: C₇H₁₃NO₂

Molecular Weight: 143.185

Accurate Mass: 143.094629

Percentage Composition: C 58.72%; H 9.15%; N 9.78%; O 22.35%

Physical Description: Leaflets (EtOH)

Melting Point: Mp 303-304°

Solubility: Sol. H₂O

Other Data: Subl. >330°

Aldrich: 40485-3

Fluka: 7619

>>Derivative: Hydrochloride

Melting Point: Mp 217°

>>Derivative: Et ester

CAS Registry Number: 3685-28-7

Molecular Formula: C₉H₁₇NO₂

Molecular Weight: 171.239

Accurate Mass: 171.125929

Percentage Composition: C 63.13%; H 10.01%; N 8.18%; O 18.69%

Melting Point: Mp 193-194°