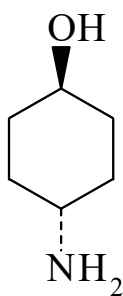




>>Entry Name: 4-Aminocyclohexanol, 9CI, 8CI



(1*R*,4*R*)-form

Molecular Formula: C₆H₁₃NO

Molecular Weight: 115.175

Accurate Mass: 115.099714

Percentage Composition: C 62.57%; H 11.38%; N 12.16%; O 13.89%

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

Synonym(s): *trans*-form

CAS Registry Number: 27489-62-9

Molecular Formula: C₆H₁₃NO

Molecular Weight: 115.175

Accurate Mass: 115.099714

Percentage Composition: C 62.57%; H 11.38%; N 12.16%; O 13.89%

Melting Point: Mp 110-111°

>>Derivative: Hydrochloride

CAS Registry Number: 50910-54-8

Melting Point: Mp 225°

Aldrich: 26376-1

Fluka: 7622

>>Derivative: Di-Ac

Molecular Formula: C₁₀H₁₇NO₃

Molecular Weight: 199.249

Percentage Composition: C 60.28%; H 8.60%; N 7.03%; O 24.09%

Melting Point: Mp 159-160°

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

Synonym(s): *cis*-form

CAS Registry Number: 40525-78-8

Molecular Formula: C₆H₁₃NO

Molecular Weight: 115.175

Accurate Mass: 115.099714

Percentage Composition: C 62.57%; H 11.38%; N 12.16%; O 13.89%

Melting Point: Mp 79-80°

>>Derivative: Hydrochloride

CAS Registry Number: 56239-26-0

Melting Point: Mp 79-81°

>>Derivative: Di-Ac

Molecular Formula: C₁₀H₁₇NO₃

Molecular Weight: 199.249

Accurate Mass: 199.120844

Percentage Composition: C 60.28%; H 8.60%; N 7.03%; O 24.09%

Melting Point: Mp 113°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 316A, (*ir*)

Ferber, E. *et al.*, *Ber.*, 1939, **72**, 995, (*synth*)

Della, E.W. *et al.*, *Aust. J. Chem.*, 1961, **14**, 610, (*synth*)

Johnston, T.P. *et al.*, *J. Med. Chem.*, 1975, **18**, 634, (*synth*)