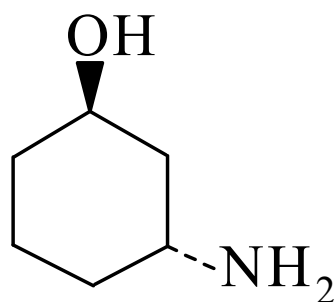




>>Entry Name: 3-Aminocyclohexanol, 9CI, 8CI



(1*R* *S*, 3*R* *S*)-*form*

CAS Registry Number: 6850-39-1

Related CAS Registry Numbers(s): 106729-80-0 124555-43-7 124555-44-8

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%

>>Variant: (1*R*,3*R*)-form

Synonym(s): (±)-*trans*-form

CAS Registry Number: 40525-77-7

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 94-95°

>>Variant: (1*R*,3*SR*)-form

Synonym(s): (±)-*cis*-form

CAS Registry Number: 6982-42-9

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 68-70°

>>Derivative: *N*-Ac

Molecular Formula: C₈H₁₅NO₂

Molecular Weight: 157.212

Accurate Mass: 157.110279

Percentage Composition: C 61.12%; H 9.62%; N 8.91%; O 20.35%

Melting Point: Mp 118-118.5°

>>Derivative: Di-Ac

CAS Registry Number: 123132-94-5

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%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 120-121° (116-118°)

References:

Burford, R.R., *J.C.S.*, 1957, 2937, (*deriv*)

Hall, H.K., *J.A.C.S.*, 1958, **80**, 6412, (*synth*)

Burckhardt, U. *et al.*, *Helv. Chim. Acta*, 1967, **50**, 231, (*synth*)

Sammes, P.G. *et al.*, *J.C.S. Perkin 1*, 1989, 655, (*deriv*, *pmr*, *ir*, *ms*)