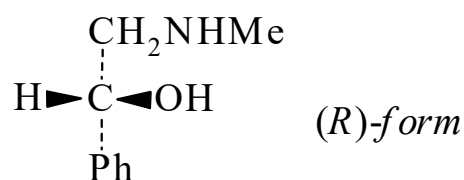




>>Entry Name: Halostachine

Synonym(s): α -[(Methylamino)methyl]benzenemethanol, 9Cl. α -[(Methylamino)methyl]benzyl alcohol, 8Cl. 2-(Methylamino)-1-phenethanol. β -Hydroxy-*N*-methylphenethylamine



Related CAS Registry Numbers(s): 6027-95-8 61217-79-6

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

>>Variant: (*R*)-form

CAS Registry Number: 495-42-1

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

Biological Source: Alkaloid from *Halostachys caspica* (Chenopodiaceae)

Use/Importance: Hypertensive agent showing ephedrine-like activity

Melting Point: Mp 43-45°

Optical Rotation: [α]_D -47

>>Derivative: Hydrochloride

Melting Point: Mp 113-114°

Optical Rotation: [α]_D -52.4

>>Derivative: *N*-Me

see 2-Dimethylamino-1-phenylethanol, [CHK96-V](#)

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

CAS Registry Number: 68579-60-2

Molecular Formula: C₉H₁₃NO

Molecular Weight: 151.208

Accurate Mass: 151.099714

Percentage Composition: C 71.49%; H 8.67%; N 9.26%; O 10.58%

Physical Description: Cryst. (CH₂Cl₂/hexane)

Melting Point: Mp 72-73°

Sigma: M7762

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 585B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 1277A, (*ir*)

Men'shikov, G.P. *et al.*, *J. Gen. Chem. USSR (Engl. Transl.)*, 1943, **13**, 801; 1947, **17**, 1569; *CA*, **39**, 1172; **42**, 2245, (*isol, struct, synth*)

Lukes, R. *et al.*, *CA*, 1964, **61**, 693g, (*abs config, synth*)

Wehrli, H., *Helv. Chim. Acta*, 1980, **63**, 1915, (*synth, ir, pmr*)