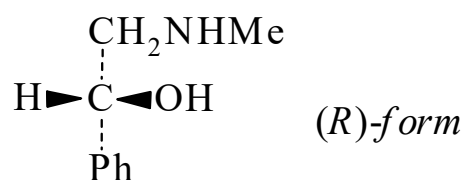




>>Entry Name: Halostachine

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



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

**Molecular Formula:** C<sub>9</sub>H<sub>13</sub>NO

**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:** C<sub>9</sub>H<sub>13</sub>NO

**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:** [ $\alpha$ ]<sub>D</sub> -47

>>Derivative: Hydrochloride

**Melting Point:** Mp 113-114°

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub> -52.4

>>Derivative: *N*-Me

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

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

**CAS Registry Number:** 68579-60-2

**Molecular Formula:** C<sub>9</sub>H<sub>13</sub>NO

**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. (CH<sub>2</sub>Cl<sub>2</sub>/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*)