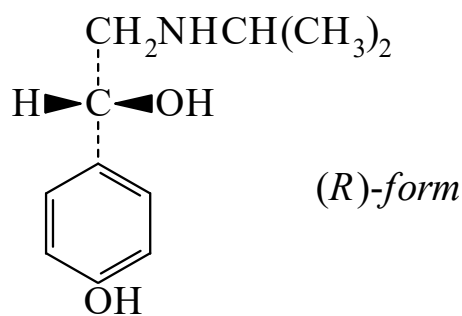




>>Entry Name: Deterenol, INN

Synonym(s): 4-Hydroxy- α -[[[(1-methylethyl)amino]methyl]benzenemethanol, 9Cl. *p*-Hydroxy- α -[(isopropylamino)methyl]benzyl alcohol, 8Cl



Molecular Formula: C₁₁H₁₇NO₂

Molecular Weight: 195.261

Accurate Mass: 195.125929

Percentage Composition: C 67.66%; H 8.78%; N 7.17%; O 16.39%

Use/Importance: β -Adrenoceptor agonist. Ophthalmic adrenergic agent

>>Variant: (*R*)-form

CAS Registry Number: 29170-05-6

Molecular Formula: C₁₁H₁₇NO₂

Molecular Weight: 195.261

Accurate Mass: 195.125929

Percentage Composition: C 67.66%; H 8.78%; N 7.17%; O 16.39%

Melting Point: Mp 133-135°

Optical Rotation: [α]_D²⁵ -42.5

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

CAS Registry Number: 3506-31-8

Molecular Formula: C₁₁H₁₇NO₂

Molecular Weight: 195.261

Accurate Mass: 195.125929

Percentage Composition: C 67.66%; H 8.78%; N 7.17%; O 16.39%

Melting Point: Mp 138-140°

>>Derivative: Hydrochloride

Synonym(s): Deterenol hydrochloride, USAN. AL 842

CAS Registry Number: 23239-36-3

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 155-157°

References:

Corrigan, J.R. *et al.*, *J.A.C.S.*, 1945, **67**, 1894, (*synth*)

Adamski, R.J. *et al.*, *Synthesis*, 1970, **2**, 478, (*synth*)

Baldwin, H.A. *et al.*, *Arch. Int. Pharmacodyn. Ther.*, 1972, **199**, 302, (*pharmacol*)

U.S. Pat., 1975, 3 860 651; *CA*, **82**, 170330t, (*synth*)

Barlow, J.J. *et al.*, *J. Med. Chem.*, 1981, **24**, 315, (*synth, props*)