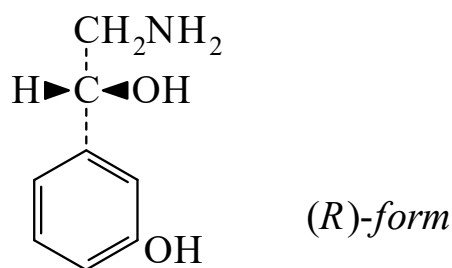




>>Entry Name: 2-Amino-1-(3-hydroxyphenyl)ethanol

Synonym(s): α -Aminomethyl-3-hydroxybenzenemethanol, 9Cl. α -(Aminomethyl)-*m*-hydroxybenzyl alcohol, 8Cl. **Norfenefrine**, INN. *m*-Octopamine. *m*-Norsynephrine



CAS Registry Number: 536-21-0

Related CAS Registry Numbers(s): 14787-58-7

Molecular Formula: C₈H₁₁NO₂

Molecular Weight: 153.18

Accurate Mass: 153.078979

Percentage Composition: C 62.73%; H 7.24%; N 9.14%; O 20.89%

Use/Importance: Sympathomimetic drug

Hazard & Toxicity: LD₅₀ (rat, orl) 390 mg/kg

>>Variant: (*R*)-form

CAS Registry Number: 5596-07-6

Molecular Formula: C₈H₁₁NO₂

Molecular Weight: 153.18

Accurate Mass: 153.078979

Percentage Composition: C 62.73%; H 7.24%; N 9.14%; O 20.89%

>>Derivative: Hydrochloride

Synonym(s): WV 569

CAS Registry Number: 636-87-3

Physical Description: Prisms (MeOH/Et₂O)

Melting Point: Mp 128-130°

Optical Rotation: [α]_D -45 (MeOH)

pKa Value: pK_a 8.86 (25°)

>>Derivative: *N*-Me

Synonym(s): 3-Hydroxy- α -[(methylamino)methyl]benzenemethanol, 9Cl. *m*-Hydroxy- α -[(methylamino)methyl]benzyl alcohol, 8Cl. 1-*m*-Hydroxyphenyl-2-methylaminoethanol. **Phenylephrine**, BAN, INN. *m*-Sympatol

CAS Registry Number: 59-42-7

Molecular Formula: C₉H₁₃NO₂

Molecular Weight: 167.207

Accurate Mass: 167.094629

Percentage Composition: C 64.65%; H 7.84%; N 8.38%; O 19.14%

Use/Importance: Sympathomimetic, vasoconstrictor, mydriatic, cardiotonic agent. Used as a nasal decongestant

Melting Point: Mp 177° (169-172°)

Calculated Log P Data: Log P -0.09 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 350 mg/kg. Exp. reprod. and teratogenic effects

>>Derivative: *N*-Me; hydrochloride

Synonym(s): **Phenylephrine hydrochloride**, USAN. Neophyrn. Neosynephrine. Fenox. Sinutab. Adrianol. Many other names

CAS Registry Number: 61-76-7

Molecular Formula: C₉H₁₄ClNO₂

Molecular Weight: 203.668

Percentage Composition: C 53.08%; H 6.93%; Cl 17.41%; N 6.88%; O 15.71%

Melting Point: Mp 143°