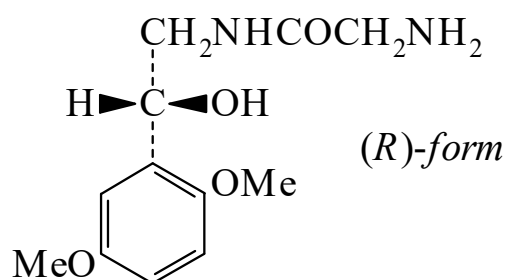




>>>Entry Name: Midodrine, BAN, INN

Synonym(s): 2-Amino-*N*-[2-(2,5-dimethoxyphenyl)-2-hydroxyethyl]acetamide, 9CI



CAS Registry Number: 42794-76-3

Related CAS Registry Numbers(s): 43218-56-0

Molecular Formula: $\text{C}_{12}\text{H}_{18}\text{N}_2\text{O}_4$

Molecular Weight: 254.285

Accurate Mass: 254.126658

Percentage Composition: C 56.68%; H 7.13%; N 11.02%; O 25.17%

Use/Importance: α_1 -Adrenoceptor agonist. Antihypotensive, sympathomimetic agent, vasoconstrictor. Used for treatment of neurogenic orthostatic hypotension

Development Status: Approved by FDA (1996)

Calculated Log P Data: Log P -0.35 (calc)

>>>Variant: (*R*)-form

CAS Registry Number: 133163-25-4

Molecular Formula: $\text{C}_{12}\text{H}_{18}\text{N}_2\text{O}_4$

Molecular Weight: 254.285

Accurate Mass: 254.126658

Percentage Composition: C 56.68%; H 7.13%; N 11.02%; O 25.17%

>>>Derivative: Hydrochloride

CAS Registry Number: 133163-28-7

Physical Description: Cryst. (MeOH/Et₂O)

Melting Point: Mp 171-173°

Optical Rotation: $[\alpha]_{\text{D}}^{23} -30.3$ (c, 0.7 in H₂O)

>>>Variant: (*S*)-form

CAS Registry Number: 133267-39-7

Molecular Formula: $\text{C}_{12}\text{H}_{18}\text{N}_2\text{O}_4$

Molecular Weight: 254.285

Accurate Mass: 254.126658

Percentage Composition: C 56.68%; H 7.13%; N 11.02%; O 25.17%

>>>Derivative: Hydrochloride

CAS Registry Number: 61898-48-4

Physical Description: Cryst. (MeOH/Et₂O)

Melting Point: Mp 175-176°

Optical Rotation: $[\alpha]_{\text{D}}^{23} +24.2$ (c, 1 in H₂O)

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

CAS Registry Number: 97476-58-9

Molecular Formula: $\text{C}_{12}\text{H}_{18}\text{N}_2\text{O}_4$

Molecular Weight: 254.285

Accurate Mass: 254.126658

Percentage Composition: C 56.68%; H 7.13%; N 11.02%; O 25.17%

Physical Description: Cryst.

Melting Point: Mp 102-104°

>>>Derivative: Hydrochloride

Synonym(s): Midodrine hydrochloride, JAN, USAN. Gutron. Hipertan. Metligine. Midamine. A-4020 Linz. ST 1085. St Peter 224. Many other names