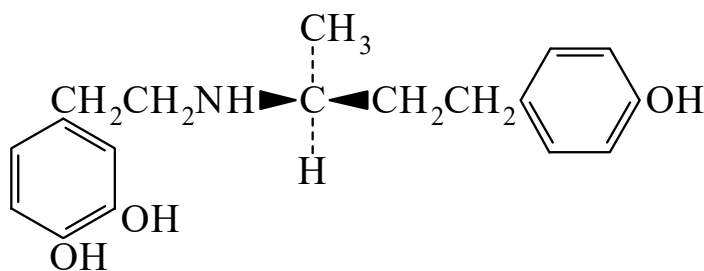




>>Entry Name: Dobutamine, BAN, INN, USAN

Synonym(s): 4-[2-[[3-(4-Hydroxyphenyl)-1-methylpropyl]amino]ethyl]-1,2-benzenediol, 9CI



CAS Registry Number: 34368-04-2

Type of Compound Code(s): XA4830 XA0111 XA2760

Molecular Formula: C₁₈H₂₃NO₃

Molecular Weight: 301.385

Accurate Mass: 301.167794

Percentage Composition: C 71.73%; H 7.69%; N 4.65%; O 15.93%

Biological Use/Importance: Cardiac stimulant. Inotropic agent

Development Status: Approved 1978

Calculated Log P Data: Log P 2.28 (calc)

>>Variant: (S)-form

Synonym(s): Lev Dobutamine, INN

CAS Registry Number: 61661-06-1

Molecular Formula: C₁₈H₂₃NO₃

Molecular Weight: 301.385

Accurate Mass: 301.167794

Percentage Composition: C 71.73%; H 7.69%; N 4.65%; O 15.93%

Other Data: Pharmacol. active isomer

>>Derivative: 4-O-β-Galactopyranosyl-D-gluconate (salt)

Synonym(s): Lev Dobutamine lactobionate, USAN

CAS Registry Number: 129388-07-4

>>Variant: (±)-form

Molecular Formula: C₁₈H₂₃NO₃

Molecular Weight: 301.385

Accurate Mass: 301.167794

Percentage Composition: C 71.73%; H 7.69%; N 4.65%; O 15.93%

>>Derivative: Hydrochloride

Synonym(s): Dobutamine hydrochloride, JAN, USAN. Dobutrex. Inofrex. Lilly 46236

CAS Registry Number: 52663-81-7

Melting Point: Mp 184-186°

Hazard & Toxicity: LD₅₀ (rat, orl) 2296 mg/kg. Exp. reprod. and teratogenic effects

References:

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