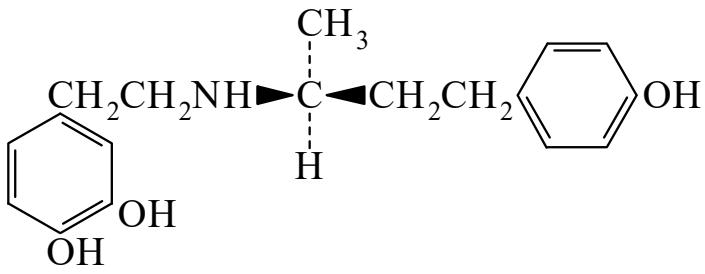
>>**Entry Name: Dobutamine,** BAN, INN, USAN
Synonym(s): 4-[2-[[3-(4-Hydroxyphenyl)-1-methylpropyl]amino]ethyl]-1,2-benzenediol, 9CI



CAS Registry Number: 34368-04-2
Type of Compound Code(s): XA4830 XA0111 XA2760

Molecular Formula: $C_{18}H_{23}NO_3$
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): Levdobutamine, INN

CAS Registry Number: 61661-06-1
Molecular Formula: $C_{18}H_{23}NO_3$
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): Levdobutamine lactobionate, USAN

CAS Registry Number: 129388-07-4

>>**Variant:** (±)-form

Molecular Formula: $C_{18}H_{23}NO_3$
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: LD_{50} (rat, orl) 2296 mg/kg. Exp. reprod. and teratogenic effects

References:

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Majerus, T.C. *et al.*, *Pharmacotherapy (Carlisle, Mass.)*, 1989, **9**, 245, *(rev)*
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