



Melting Point: Mp 175°

>>>**Derivative:** *N*-*tert*-Butyl

Synonym(s): Terodiline, BAN, INN. Bicor. Micturin

CAS Registry Number: 15793-40-5

Type of Compound Code(s): XA7000

Molecular Formula: C₂₀H₂₇N

Molecular Weight: 281.44

Accurate Mass: 281.214349

Percentage Composition: C 85.35%; H 9.67%; N 4.98%

Biological Use/Importance: Coronary vasodilator. Formerly used in treatment of urinary disorders

Development Status: Withdrawn due to cardiotoxicity

Calculated Log P Data: Log P 4.94 (calc)

>>>**Derivative:** *N*-*tert*-Butyl; hydrochloride

Synonym(s): Terodiline hydrochloride, USAN

CAS Registry Number: 7082-21-5

Melting Point: Mp 178-180°

Other Data: This deriv. known also in opt. active forms (abs. config. *S*(-)), but no phys. props. recorded

Hazard & Toxicity: LD₅₀ (rat, orl) 465 mg/kg

>>>**Derivative:** *N,N*-Di-Me; hydrochloride

Synonym(s): Recipavrin

CAS Registry Number: 131233-11-9

Extra CAS Registry Numbers(s): 22173-83-7

Type of Compound Code(s): XA2250

Biological Use/Importance: Antispasmodic

>>>**Derivative:** *N,N*-Di-Me; nitrate

Physical Description: Cryst. (H₂O)

Melting Point: Mp 118-120°

>>>**Derivative:** *N,N*-Di-Me; perchlorate

Physical Description: Cryst. (EtOH)

Melting Point: Mp 165-166°

>>>**Derivative:** *N,N*-Di-Me; picrate

Physical Description: Plates (EtOH)

Melting Point: Mp 142-144°

References:

Burckhalter, J.H. *et al.*, *J.A.C.S.*, 1951, **73**, 4830, (*synth*)

Perrine, T.D. *et al.*, *J.O.C.*, 1953, **18**, 898, (*recipavrin, synth*)

U.K. Pat., 1963, 923 942; *CA*, **59**, 9881e, (*deriv*)

Karlen, B. *et al.*, *Eur. J. Clin. Pharmacol.*, 1982, **23**, 267, (*deriv*)

Carlström, D. *et al.*, *Acta Cryst. C*, 1983, **39**, 1130, (*cryst struct, abs config, deriv*)

Aasen, A.J. *et al.*, *Acta Chem. Scand., Ser. B*, 1988, **42**, 206, (*recipavrin, abs config, ms, pmr, cmr*)

Slatter, J.G. *et al.*, *Xenobiotica*, 1990, **20**, 999-1024, (*recipavrin*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 432, (*deriv*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, TBC200