



Optical Rotation: $[\alpha]_D^{20} -53$ (c, 4 in 1M HCl)

Solubility: Sol. alkalis, acids; spar. sol. H₂O, EtOH; insol. Et₂O

Other Data: Pharmacol. active isomer

Hazard & Toxicity: LD₅₀ (rat, skn) 62 mg/kg. LD₅₀ (rat, ivn) 0.15 mg/kg

Aldrich: 21930-4

Fluka: 2250

Sigma: E4250

>>Derivative: Hydrochloride

CAS Registry Number: 55-31-2

Melting Point: Mp 157°

>>Derivative: Tartrate

Synonym(s): Epinephrine bitartrate, USAN. Epitrate

CAS Registry Number: 51-42-3

Extra CAS Registry Numbers(s): 24351-82-4

Biological Use/Importance: Ophthalmic adrenergic agent

Fluka: 2260

Rare Chemicals Library: S39321-5

Sigma: E4375

>>Derivative: Cyclic borate

Synonym(s): Epinephryl borate, USAN. Epinal[‡]. Epinephrine borate

CAS Registry Number: 5579-16-8

Biological Use/Importance: Ophthalmic adrenergic agent

>>Derivative: N-Me

Synonym(s): 4-[2-(Dimethylamino)-1-hydroxyethyl]-1,2-benzenediol, 9Cl. N-Methyladrenaline

CAS Registry Number: 554-99-4

Molecular Formula: C₁₀H₁₅NO₃

Molecular Weight: 197.233

Accurate Mass: 197.105194

Percentage Composition: C 60.90%; H 7.67%; N 7.10%; O 24.34%

Biological Source: Alkaloid from tubers of *Aconitum nasutum* (Ranunculaceae)

>>Derivative: N-De-Me