



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

see Norepinephrine, [BLS56-O](#)

>>**Derivative:** *O*³-Me

see Metanephrine, [GPF24-V](#)

>>**Derivative:** *O*³,*O*⁴,*N*-Tri-Me

see Macromerine, [CGF60-A](#)

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

Synonym(s): D-form (obsol.)

CAS Registry Number: 150-05-0

Molecular Formula: C₉H₁₃NO₃

Molecular Weight: 183.207

Accurate Mass: 183.089544

Percentage Composition: C 59.00%; H 7.15%; N 7.65%; O 26.20%

Physical Description: Light brown cryst.

Melting Point: Mp 211-212°

Other Data: About 12 times less hormonally active than the (*R*)-enantiomer

>>**Variant:** (±)-form

Synonym(s): **Racpinefrine**, INN. Racepinephrine, USAN. Vaponephrin

CAS Registry Number: 329-65-7

Molecular Formula: C₉H₁₃NO₃

Molecular Weight: 183.207

Accurate Mass: 183.089544

Percentage Composition: C 59.00%; H 7.15%; N 7.65%; O 26.20%

Physical Description: Microscopic cryst.

Melting Point: Mp 230 dec.°

Solubility: Sl. sol. H₂O

Aldrich: 31674-1

Sigma: E1635

>>**Derivative:** Hydrochloride

Synonym(s): Racepinephrine hydrochloride, USAN

CAS Registry Number: 329-63-5

Sigma: E4642

>>**Derivative:** Di-Ac

Molecular Formula: C₁₃H₁₇NO₅

Molecular Weight: 267.281

Accurate Mass: 267.110674

Percentage Composition: C 58.42%; H 6.41%; N 5.24%; O 29.93%

Melting Point: Mp 168°

>>**Derivative:** Di-Ac; hydrochloride

Melting Point: Mp 155-156°