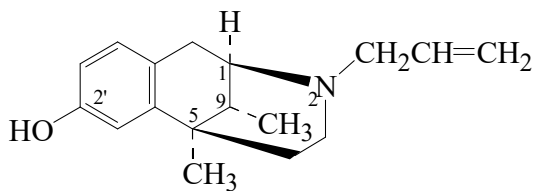




>>Entry Name: 2-Allyl-2'-hydroxy-5,9-dimethyl-6,7-benzomorphan

Synonym(s): 1,2,3,4,5,6-Hexahydro-6,11-dimethyl-3-(2-propenyl)-2,6-methano-3-benzazocin-8-ol, 9Cl. *N*-Allyl-*N*-normetazocine. SKF 10047



(1*R*,5*R*,9*R*)-form

CAS Registry Number: 7619-35-4

Related CAS Registry Numbers(s): 7313-95-3 34061-23-9 89575-86-0

Molecular Formula: C₁₇H₂₃NO

Molecular Weight: 257.375

Accurate Mass: 257.177964

Percentage Composition: C 79.33%; H 9.01%; N 5.44%; O 6.22%

Biological Use/Importance: Opioid receptor agonist. Psychotomimetic σ -opiate

Other Data: Relat. to Metazocine [DKG17-K](#)

>>Variant: (1*R*,5*R*,9*R*)-form

Synonym(s): (-)-*cis*-form

CAS Registry Number: 14198-28-8

Molecular Formula: C₁₇H₂₃NO

Molecular Weight: 257.375

Accurate Mass: 257.177964

Percentage Composition: C 79.33%; H 9.01%; N 5.44%; O 6.22%

Melting Point: Mp 138-139° (130-132°)

Optical Rotation: $[\alpha]_D^{19} -121.3$ (c, 2.0 in EtOH)

>>Derivative: Hydrochloride

CAS Registry Number: 74957-58-7

Physical Description: Solid (2-propanol/EtOAc)

Melting Point: Mp 200-202°

Optical Rotation: $[\alpha]_D^{23} -90.5$ (c, 0.95 in EtOH)

>>Variant: (1*S*,5*S*,9*S*)-form

Synonym(s): (+)-*cis*-form

CAS Registry Number: 58640-82-7

Molecular Formula: C₁₇H₂₃NO

Molecular Weight: 257.375

Accurate Mass: 257.177964

Percentage Composition: C 79.33%; H 9.01%; N 5.44%; O 6.22%

Melting Point: Mp 138-139° (129-139°)

Optical Rotation: $[\alpha]_D^{21} +119.8$ (c, 1.0 in EtOH)

>>Derivative: Hydrochloride

CAS Registry Number: 133005-41-1

Physical Description: Cryst. (2-propanol/EtOAc)

Melting Point: Mp 201-203°

Optical Rotation: $[\alpha]_D^{23} +90.6$ (c, 1.0 in EtOH)

References: