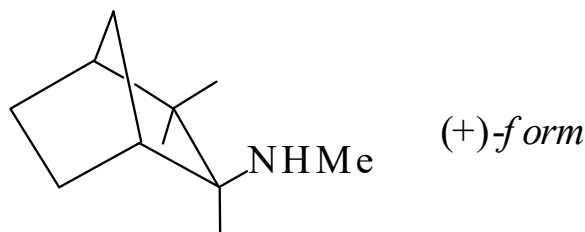




>>Entry Name: Mecamylamine, BAN, INN

Synonym(s): *N*,2,3,3-Tetramethylbicyclo[2.2.1]heptan-2-amine, 9Cl. 2,2,3-Trimethyl-3-(methlamino)norbornane. 3-(Methylamino)isocamphane. Many other names



CAS Registry Number: 60-40-2

Molecular Formula: C₁₁H₂₁N

Molecular Weight: 167.294

Accurate Mass: 167.167399

Percentage Composition: C 78.98%; H 12.65%; N 8.37%

Use/Importance: Nicotinic channel blocker. Antihypertensive agent. Ganglion blocking agent

Calculated Log P Data: Log P 2.82 (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) 90 mg/kg

>>Variant: (+)-form

Molecular Formula: C₁₁H₂₁N

Molecular Weight: 167.294

Accurate Mass: 167.167399

Percentage Composition: C 78.98%; H 12.65%; N 8.37%

>>Derivative: Hydrochloride

Optical Rotation: [α]_D +20.1 (CHCl₃)

>>Derivative: Hydrobromide

Melting Point: Mp 262-264 dec.°

Optical Rotation: [α]_D²⁵ +20.6 (c, 0.015 in CHCl₃)

>>Variant: (–)-form

Molecular Formula: C₁₁H₂₁N

Molecular Weight: 167.294

Accurate Mass: 167.167399

Percentage Composition: C 78.98%; H 12.65%; N 8.37%

>>Derivative: Hydrochloride

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 258-261°

Optical Rotation: [α]_D –20 (CHCl₃)

>>Variant: (±)-form

Molecular Formula: C₁₁H₂₁N

Molecular Weight: 167.294

Accurate Mass: 167.167399

Percentage Composition: C 78.98%; H 12.65%; N 8.37%

Boiling Point: Bp₄ 72°

>>Derivative: Hydrochloride

Synonym(s): Mecamylamine hydrochloride, USAN. Inversine

CAS Registry Number: 826-39-1

Melting Point: Mp 245.5-246.5 dec.°

Hazard & Toxicity: LD₅₀ (rat, orl) 208 mg/kg

Sigma: M2380

References: