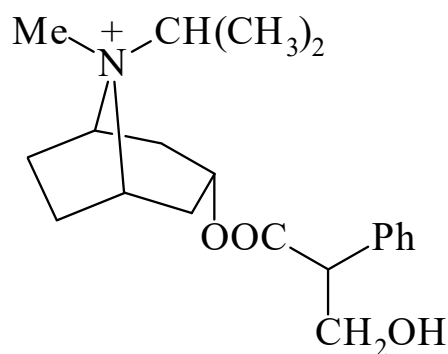




>>Entry Name: Ipratropium(1+)

Synonym(s): 3-(3-Hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-(1-methylethyl)-8-azoniabicyclo[3.2.1]octane(1+), 9Cl. 3-Hydroxy-8-isopropyltropanium tropate, 8Cl. 8-Isopropyl-3-tropoyloxytropanium(1+)



Related CAS Registry Numbers(s): 141197-26-4 141197-27-5

Molecular Formula: C₂₀H₃₀NO₃⁽⁺⁾

Molecular Weight: 332.462

Accurate Mass: 332.222569

Percentage Composition: C 72.25%; H 9.09%; N 4.21%; O 14.44%

>>Variant: (±)-form

CAS Registry Number: 60205-81-4

Molecular Formula: C₂₀H₃₀NO₃

Molecular Weight: 332.462

Accurate Mass: 332.222569

Percentage Composition: C 72.25%; H 9.09%; N 4.21%; O 14.44%

>>Derivative: Bromide

Synonym(s): Ipratropium bromide, BAN, INN, JAN, USAN. Atrovent. Atem. Berodual. Itrop. Narilet. Normosecretol. Respontin. Rinatec. Tropiovent. Many other names

CAS Registry Number: 22254-24-6

Molecular Formula: C₂₀H₃₀BrNO₃

Molecular Weight: 412.366

Accurate Mass: 411.160905

Percentage Composition: C 58.25%; H 7.33%; Br 19.38%; N 3.40%; O 11.64%

Biological Use/Importance: Antimuscarinic agent, antiarrhythmic, antispasmodic agent; used as a bronchodilator

Physical Description: Monohydrate

Development Status: Marketed drug. Launched 1995. Worldwide 84th best selling prescription drug (\$0.60 bn) (Boehringer Ingelheim) (2000, Pharma Business)

Melting Point: Mp 230-232 dec.°

Hazard & Toxicity: LD₅₀ (rat, orl) 1663 mg/kg. LD₅₀ (rat, ipr) 113 mg/kg. Exp. reprod. and teratogenic effects

Sigma: I1637

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