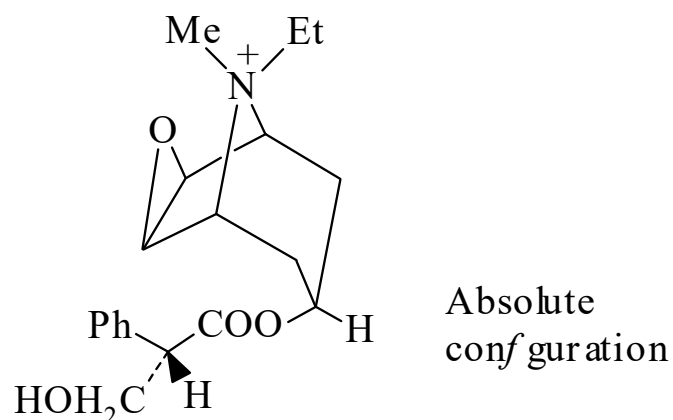




>>Entry Name: Oxitropium(1+)

Synonym(s): 9-Ethyl-7-(3-hydroxy-1-oxo-2-phenylpropoxy)-9-methyl-3-oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane, 9Cl. 8-Ethyl-3-tropoyloxy-6,7-epoxytropanium(1+). Ethylhyoscine



Molecular Formula: C₁₉H₂₆NO₄⁽⁺⁾

Molecular Weight: 332.419

Accurate Mass: 332.186184

Percentage Composition: C 68.65%; H 7.88%; N 4.21%; O 19.25%

>>Derivative: Bromide

Synonym(s): Oxitropium bromide, BAN, INN, JAN, USAN. Scopolamine ethobromide. Balsigan. Oxivent. Tersigan. Tersigat. Ventilat. Ventox. BA 253. Pulsigan

CAS Registry Number: 30286-75-0

Molecular Formula: C₁₉H₂₆BrNO₄

Molecular Weight: 412.323

Accurate Mass: 411.12452

Percentage Composition: C 55.35%; H 6.36%; Br 19.38%; N 3.40%; O 15.52%

Use/Importance: Anticholinergic agent, bronchodilator

Development Status: Launched 1983

Melting Point: Mp 203-204°

Optical Rotation: [α]_D²¹ -21 (c, 2.0 in H₂O)

Hazard & Toxicity: LD₅₀ (rat, orl) 2250 mg/kg. LD₅₀ (rat, ivn) 19 mg/kg. Exp. fetotoxic effects

>>Derivative: Iodide

CAS Registry Number: 17812-50-9

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Barlow, R.B. *et al.*, *J. Med. Chem.*, 1973, **16**, 439, (synth, pharmacol, iodide)
Dharma, A.P., *Drugs of the Future*, 1979, **4**, 117, (rev)
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Pook, K.H. *et al.*, *Arzneim.-Forsch.*, 1985, **35**, 217; 255; 435, (synth, pharmacol, metab)
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