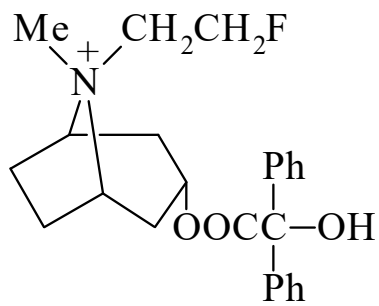




>>Entry Name: Flutropium(1+)

Synonym(s): 8-(2-Fluoroethyl)-3-[(hydroxydiphenylacetyl)oxy]-8-methyl-8-azoniabicyclo[3.2.1]octane, 9CI



Molecular Formula: $C_{24}H_{29}FNO_3^{(+)}$

Molecular Weight: 398.496

Accurate Mass: 398.213147

Percentage Composition: C 72.34%; H 7.33%; F 4.77%; N 3.51%; O 12.04%

Use/Importance: Anticholinergic and bronchospasmolytic agent

>>Derivative: Bromide

Synonym(s): Flutropium bromide, INN, JAN. Flubron. Ba 598Br

CAS Registry Number: 63516-07-4

Molecular Formula: $C_{24}H_{29}BrFNO_3$

Molecular Weight: 478.4

Accurate Mass: 477.151483

Percentage Composition: C 60.26%; H 6.11%; Br 16.70%; F 3.97%; N 2.93%; O 10.03%

Physical Description: Cryst. ($Me_2CO/EtOH$ or $MeCN$)

Development Status: Launched 1988

Melting Point: Mp 198-199 dec.° (192-193° dec.)

Hazard & Toxicity: LD₅₀ (rat, orl) 740 mg/kg. LD₅₀ (rat, scu) 615 mg/kg

References:

Yanaura, S. *et al.*, *Jpn. J. Pharmacol.*, 1983, **33**, 971, (*pharmacol*)

Banholzer, R. *et al.*, *Arzneim.-Forsch.*, 1986, **36**, 1161, (*synth*)

Kiel, G., *Arzneim.-Forsch.*, 1986, **36**, 1166, (*cryst struct*)

Bauer, R. *et al.*, *Arzneim.-Forsch.*, 1986, **36**, 1348, (*pharmacol*)

Drugs of the Future, 1987, **12**, 630, (*rev*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1371