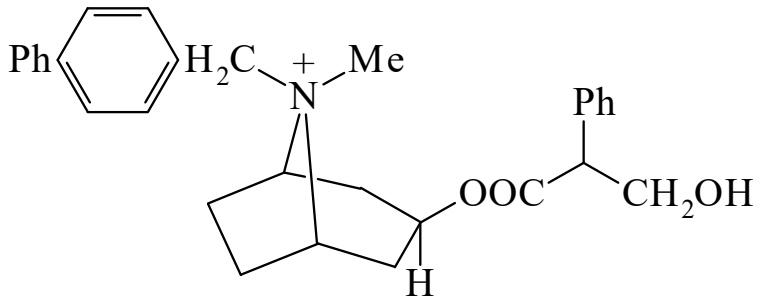
>>**Entry Name: Xenytropium(1+)**
Synonym(s): 8-([1,1'-Biphenyl]-4-ylmethyl)-3-(3-hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-azoniabicyclo[3.2.1]octane, 9CI. 3-Hydroxy-8-(*p*-phenylbenzyl)tropanium, 8CI. 8-(*p*-Phenylbenzyl)atropinium. Fentropilium. Dendrepar. Gastripon. Gastropin. BTTB. FX 501. N 399



Related CAS Registry Numbers(s): 112967-95-0 112967-96-1 112967-98-3

Molecular Formula: $C_{30}H_{34}NO_3^{(+)}$
Molecular Weight: 456.603
Accurate Mass: 456.253869
Percentage Composition: C 78.92%; H 7.51%; N 3.07%; O 10.51%

>>**Variant:** (±)-form

Molecular Formula: $C_{30}H_{34}NO_3$
Molecular Weight: 456.603
Accurate Mass: 456.253869
Percentage Composition: C 78.92%; H 7.51%; N 3.07%; O 10.51%

>>**Derivative:** Chloride

CAS Registry Number: 112967-97-2
Physical Description: Cryst. (MeOH/EtOH)
Melting Point: Mp 236-238°

>>**Derivative:** Bromide
Synonym(s): Xenytropium bromide, INN

CAS Registry Number: 511-55-7

Molecular Formula: $C_{30}H_{34}BrNO_3$
Molecular Weight: 536.507
Accurate Mass: 535.192205
Percentage Composition: C 67.16%; H 6.39%; Br 14.89%; N 2.61%; O 8.95%
Use/Importance: Antimuscarinic, spasmolytic agent
Physical Description: Cryst. (MeOH)
Melting Point: Mp 230° (224-225°)
Hazard & Toxicity: LD_{50} (rat, orl) 1880 mg/kg. LD_{50} (rat, ipr) 66 mg/kg

References:

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Suga, T. *et al.*, *Chem. Pharm. Bull.*, 1971, **19**, 2235, *(metab)*
Nador, K. *et al.*, *Arzneim.-Forsch.*, 1987, **37**, 1324, *(synth, pmr, derivs)*
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