



>>Entry Name: Methylbenactyzium(1+)

Synonym(s): *N,N*-Diethyl-2-[(hydroxydiphenylacetyl)oxy]-*N*-methylethanaminium, 9Cl. Diethyl(2-hydroxyethyl)methylammonium benzilate

CAS Registry Number: 13473-61-5

$\text{Ph}_2\text{C}(\text{OH})\text{COOCH}_2\text{CH}_2\text{N}^{(+)}\text{MeEt}_2$

Molecular Formula: $\text{C}_{21}\text{H}_{28}\text{NO}_3^{(+)}$

Molecular Weight: 342.457

Accurate Mass: 342.206919

Percentage Composition: C 73.65%; H 8.24%; N 4.09%; O 14.02%

>>Derivative: Bromide

Synonym(s): Methylbenactyzium bromide, INN, JAN. Benactyzine methobromide. Finalin. Alsain. Alpulcin. Gastrimade. Paragone. Many other names

CAS Registry Number: 3166-62-9

Molecular Formula: $\text{C}_{21}\text{H}_{28}\text{BrNO}_3$

Molecular Weight: 422.361

Accurate Mass: 421.145255

Percentage Composition: C 59.72%; H 6.68%; Br 18.92%; N 3.32%; O 11.36%

Use/Importance: Ganglion blocking agent, anticholinergic and antiulcer agent

Melting Point: Mp 165-166°

Hazard & Toxicity: LD₅₀ (mus, orl) 780 mg/kg. LD₅₀ (mus, ipr) 52 mg/kg

References:

Cavallini, G. *et al.*, *Farmaco, Ed. Sci.*, 1953, **8**, 581, (*synth*)

Barlow, R.B. *et al.*, *Br. J. Pharmacol.*, 1963, **21**, 509, (*pharmacol*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., *Akademie-Verlag*, 1994, 8576