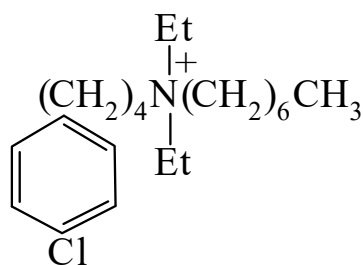




>>Entry Name: Clofilium(1+)

Synonym(s): 4-Chloro-*N,N*-diethyl-*N*-heptylbenzenebutanaminium(1+), 9Cl



CAS Registry Number: 68379-02-2

Molecular Formula: C₂₁H₃₇ClN⁽⁺⁾

Molecular Weight: 338.983

Accurate Mass: 338.261451

Percentage Composition: C 74.41%; H 11.00%; Cl 10.46%; N 4.13%

>>Derivative: Phosphate (1:1)

Synonym(s): Clofilium phosphate, INN, USAN. LY 150378

CAS Registry Number: 68379-03-3

Molecular Formula: C₂₁H₃₉ClNO₄P

Molecular Weight: 435.97

Accurate Mass: 435.230523

Percentage Composition: C 57.86%; H 9.02%; Cl 8.13%; N 3.21%; O 14.68%; P 7.10%

Use/Importance: Potassium channel blocker. Cardiac depressant, antiarrhythmic (Class III) agent

Physical Description: No phys. props. reported

Hazard & Toxicity: LD₅₀ (rat, ivn) 33 mg/kg

References:

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Morgan, T.K. *et al.*, *J. Med. Chem.*, 1986, **29**, 1398, (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 62
Friedrichs, G.S. *et al.*, *Br. J. Pharmacol.*, 1994, **113**, 209, (*pharmacol*)
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