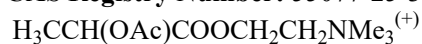




>>Entry Name: Aclatonium(1+)

Synonym(s): 2-[2-(Acetyloxy)-1-oxopropoxy]-*N,N,N*-trimethylethanaminium(1+), 9Cl. 2-(*O*-Acetyllactoyloxy) ethyltrimethylammonium(1+). Choline acetyl lactate

CAS Registry Number: 55077-25-3



Molecular Formula: $\text{C}_{10}\text{H}_{20}\text{NO}_4^{(+)}$

Molecular Weight: 218.272

Accurate Mass: 218.139234

Percentage Composition: C 55.03%; H 9.24%; N 6.42%; O 29.32%

>>Variant: (±)-form

Molecular Formula: $\text{C}_{10}\text{H}_{20}\text{NO}_4$

Molecular Weight: 218.272

Accurate Mass: 218.139234

Percentage Composition: C 55.03%; H 9.24%; N 6.42%; O 29.32%

>>Derivative: 1,5-Naphthalenedisulfonate (2:1)

Synonym(s): Aclatonium napadisylate, BAN, INN, JAN. Abovis. Celatonium napadisilate. SKF 100916J. TM 723

CAS Registry Number: 55077-30-0

Molecular Formula: $\text{C}_{30}\text{H}_{46}\text{N}_2\text{O}_{14}\text{S}_2$

Molecular Weight: 722.83

Accurate Mass: 722.239048

Percentage Composition: C 49.85%; H 6.41%; N 3.88%; O 30.99%; S 8.87%

Use/Importance: Muscarinic receptor agonist. Cholinergic, spasmolytic agent

Melting Point: Mp 189-191°

Hazard & Toxicity: LD₅₀ (rat, ivn) 46 mg/kg. Exp. reprod. and teratogenic effects

References:

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Kölbel, C.B. et al., *Int. J. Pancreatol.*, 1989, **5**, 273, (*pharmacol, human*)
Fujii, M. et al., *Pancreas*, 1990, **5**, 427, (*pharmacol*)
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