>>**Entry Name: Aclatonium(1+)**
Synonym(s): 2-[2-(Acetyloxy)-1-oxopropoxy]-*N,N,N*-trimethylethanaminium(1+), 9CI. 2-(*O*-Acetyllactoyloxy)ethyltrimethylammonium(1+). Choline acetyllactate

CAS Registry Number: 55077-25-3
$H_3CCH(OAc)COOCH_2CH_2NMe_3^{(+)}$

Molecular Formula: $C_{10}H_{20}NO_4^{(+)}$
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: $C_{10}H_{20}NO_4$
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: $C_{30}H_{46}N_2O_{14}S_2$
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: LD_{50} (rat, ivn) 46 mg/kg. Exp. reprod. and teratogenic effects

References:

Ger. Pat., 1975, *Toyama*, 2 425 983; *CA*, **82**, 139296n, *(synth, pharmacol)*
Miura, K. *et al.*, *Yakugaku Zasshi*, 1979, **99**, 1245, *(synth, pharmacol)*
Martindale, The Extra Pharmacopoeia, 28th/29th edn., Pharmaceutical Press, 1982, 12319
Kölbel, C.B. *et al.*, *Int. J. Pancreatol.*, 1989, **5**, 273, *(pharmacol, human)*
Fujii, M. *et al.*, *Pancreas*, 1990, **5**, 427, *(pharmacol)*
Lewis, R.J.*, Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, AAC875