



Molecular Weight: 153.651
Accurate Mass: 153.092041
Percentage Composition: C 46.90%; H 10.50%; Cl 23.07%; N 9.12%; O 10.41%
Physical Description: Needles (EtOH)
Melting Point: Mp 165°
Hazard & Toxicity: LD₅₀ (rat, orl) 750 mg/kg

>>Derivative: Ac

CAS Registry Number: 21293-38-9
Extra CAS Registry Numbers(s): 55-92-5
Use/Importance: Parasympathomimetic cholinergic agent

>>Derivative: Ac, chloride

Synonym(s): Methacholine chloride, BAN, INN

CAS Registry Number: 2410-07-3
Extra CAS Registry Numbers(s): 62-51-1
Molecular Formula: C₈H₁₈ClNO₂
Molecular Weight: 195.688
Accurate Mass: 195.102606
Percentage Composition: C 49.10%; H 9.27%; Cl 18.12%; N 7.16%; O 16.35%
Physical Description: Deliquescent cryst.
Melting Point: Mp 170-173°

>>Derivative: Ac, bromide

Synonym(s): Methacholine bromide

CAS Registry Number: 333-31-3
Molecular Formula: C₈H₁₈BrNO₂
Molecular Weight: 240.14
Accurate Mass: 239.07209
Percentage Composition: C 40.01%; H 7.55%; Br 33.27%; N 5.83%; O 13.33%
Physical Description: Hygroscopic cryst.
Melting Point: Mp 147-149°
Aldrich: 85554-5
Sigma: A2126

>>Derivative: Ac, iodide

Physical Description: Cryst. powder
Melting Point: Mp 135-136°
Solubility: Sol. H₂O, EtOH, insol. Et₂O, Me₂CO
Other Data: Light-sensitive

References:

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