



>>Derivative: *O*-Propanoyl

Synonym(s): Propionylcholine

CAS Registry Number: 5072-54-8

Extra CAS Registry Numbers(s): 2365-13-1 2494-55-5

Molecular Formula: $C_8H_{18}NO_2^{(+)}$

Molecular Weight: 160.236

Accurate Mass: 160.133754

Percentage Composition: C 59.97%; H 11.32%; N 8.74%; O 19.97%

Biological Source: Isol. from *Viscum album* (Viscaceae)

>>Derivative: *O*-Butanoyl

Synonym(s): Butyrylcholine

CAS Registry Number: 3922-86-9

Molecular Formula: $C_9H_{20}NO_2^{(+)}$

Molecular Weight: 174.263

Accurate Mass: 174.149404

Percentage Composition: C 62.03%; H 11.57%; N 8.04%; O 18.36%

Sigma: B2753

>>Derivative: *O*-Butanoyl, chloride

CAS Registry Number: 2963-78-2

Molecular Formula: $C_9H_{20}ClNO_2$

Molecular Weight: 209.715

Accurate Mass: 209.118256

Percentage Composition: C 51.55%; H 9.61%; Cl 16.91%; N 6.68%; O 15.26%

Melting Point: Mp 108-111°

>>Derivative: *O*-Butanoyl, iodide

CAS Registry Number: 2494-56-6

Molecular Formula: $C_9H_{20}INO_2$

Molecular Weight: 301.167

Accurate Mass: 301.053877

Percentage Composition: C 35.89%; H 6.69%; I 42.14%; N 4.65%; O 10.62%

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 93-94°

>>Derivative: *O*-(2-Methyl-2-propenoyl)

Synonym(s): Methacryloylcholine

CAS Registry Number: 5039-78-1

Extra CAS Registry Numbers(s): 39316-06-8

Molecular Formula: $C_9H_{18}NO_2^{(+)}$

Molecular Weight: 172.247

Accurate Mass: 172.133754

Percentage Composition: C 62.76%; H 10.53%; N 8.13%; O 18.58%

Use/Importance: Monomer. Polymers are used as coagulants in sewage treatment

Other Data: CAS no. refers to chloride

>>Derivative: *O*-(3-Methyl-2-butenoyl)

Synonym(s): Seneciolycholine

CAS Registry Number: 20284-79-1

Molecular Formula: $C_{10}H_{20}NO_2^{(+)}$

Molecular Weight: 186.274

Accurate Mass: 186.149404

Percentage Composition: C 64.48%; H 10.82%; N 7.52%; O 17.18%

Biological Source: Alkaloid from the hypobranchial body of the marine snail *Thais floridana*

Melting Point: Mp 160° (as iodide)

Solubility: BERDY SOL: Sol. H₂O

UV: [neutral] λ_{max} (H₂O) (Berdy)