



CAS Registry Number: 2963-75-9
Molecular Formula: $C_{10}H_{22}NO_2^{(+)}$
Molecular Weight: 188.289
Accurate Mass: 188.165054
Percentage Composition: C 63.79%; H 11.78%; N 7.44%; O 16.99%
Physical Description: Cryst. (as iodide)
Melting Point: Mp 107-108° (iodide)
Other Data: CAS no. refers to iodide

>>Derivative: *O*-Dodecanoyl

CAS Registry Number: 25234-60-0
Molecular Formula: $C_{17}H_{36}NO_2^{(+)}$
Molecular Weight: 286.477
Accurate Mass: 286.274604
Percentage Composition: C 71.28%; H 12.67%; N 4.89%; O 11.17%
Melting Point: Mp 196° (as chloride)
Other Data: CAS no. refers to chloride

>>Derivative: *O*-Tetradecanoyl

CAS Registry Number: 4277-89-8
Molecular Formula: $C_{19}H_{40}NO_2^{(+)}$
Molecular Weight: 314.531
Accurate Mass: 314.305904
Percentage Composition: C 72.56%; H 12.82%; N 4.45%; O 10.17%
Melting Point: Mp 195° (as chloride)
Other Data: CAS no. refers to chloride

>>Derivative: *O*-Benzoyl

CAS Registry Number: 17518-43-3
Extra CAS Registry Numbers(s): 2964-09-2
Molecular Formula: $C_{12}H_{18}NO_2^{(+)}$
Molecular Weight: 208.28
Accurate Mass: 208.133754
Percentage Composition: C 69.20%; H 8.71%; N 6.72%; O 15.36%
Physical Description: Cryst. (as iodide)
Melting Point: Mp 247° (iodide)
Other Data: CAS no. refers to iodide. Chloride also known

>>Derivative: *O*-(4-Hydroxybenzoyl)
Synonym(s): (4-Hydroxybenzoyl)choline

CAS Registry Number: 5094-31-5

Molecular Formula: $C_{12}H_{18}NO_3^{(+)}$
Molecular Weight: 224.279
Accurate Mass: 224.128669
Percentage Composition: C 64.26%; H 8.09%; N 6.25%; O 21.40%
Biological Source: Alkaloid from white mustard (*Sinapis alba*)

>>Derivative: *O*-(3,4-Dimethoxybenzoyl)
Synonym(s): Hesperaline

CAS Registry Number: 15797-38-3
Extra CAS Registry Numbers(s): 95210-18-7

Molecular Formula: $C_{14}H_{22}NO_4^{(+)}$
Molecular Weight: 268.332
Accurate Mass: 268.154884
Percentage Composition: C 62.67%; H 8.26%; N 5.22%; O 23.85%
Biological Source: Alkaloid from seeds of damask violet (*Hesperis matronalis* Cruciferae)
Melting Point: Mp 182-183° (as iodide)

>>Derivative: *O*-(4-Hydroxy-3,5-dimethoxybenzoyl)