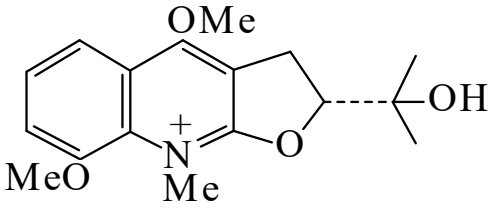
>>**Entry Name: Balfourodinium**
Synonym(s): 2,3-Dihydro-2-(1-hydroxy-1-methylethyl)-4,8-dimethoxy-9-methylfuro[2,3-*b*]quinolinium, $_{9Cl}$. O^4-Methylbalfourodinium



(*R*)-*form*

Molecular Formula: $C_{17}H_{22}NO_4^{(+)}$
Molecular Weight: 304.365
Accurate Mass: 304.154884
Percentage Composition: C 67.09%; H 7.29%; N 4.60%; O 21.03%

>>**Variant:** (*R*)-form

CAS Registry Number: 38487-24-0

Molecular Formula: $C_{17}H_{22}NO_4$
Molecular Weight: 304.365
Accurate Mass: 304.154884
Percentage Composition: C 67.09%; H 7.29%; N 4.60%; O 21.03%
Biological Source: Alkaloid from the bark of *Balfourodendron riedelianum* (Rutaceae)
Physical Description: Cryst. (H_2O or EtOH/Et_2O)(as perchlorate)
Melting Point: Mp 124-125° (perchlorate)
Optical Rotation: $[\alpha]_D^{25}$+9 (EtOH)

>>**Derivative:** O^8-De-Me
Synonym(s): 2,3-Dihydro-8-hydroxy-2-(1-hydroxy-1-methylethyl)-4-methoxy-9-methylfuro[2,3-*b*]quinolinium. **Pteleatine**

CAS Registry Number: 34443-73-7

Molecular Formula: $C_{16}H_{20}NO_4^{(+)}$
Molecular Weight: 290.338
Accurate Mass: 290.139234
Percentage Composition: C 66.19%; H 6.94%; N 4.82%; O 22.04%
Biological Source: Alkaloid from *Ptelea trifoliata* (Rutaceae)
Physical Description: Cryst. (MeOH)(as chloride)
Melting Point: Mp 267-270° (chloride)
UV: [neutral] λ_{max} 213 (); 233 (); 257 (); 277 () (MeOH)

>>**Derivative:** 1'-Deoxy
Synonym(s): 2,3-Dihydro-4,8-dimethoxy-9-methyl-2-(1-methylethyl)furo[2,3-*b*]quinolinium. 2,3-Dihydro-2-isopropyl-4,8-dimethoxy-9-methylfuro[2,3-*b*]quinolinium. **Lunasine**

CAS Registry Number: 6901-22-0

Molecular Formula: $C_{17}H_{22}NO_3^{(+)}$
Molecular Weight: 288.366
Accurate Mass: 288.159969
Percentage Composition: C 70.81%; H 7.69%; N 4.86%; O 16.64%
Biological Source: Alkaloid from the bark and leaves of *Lunasia quercifolia* (Rutaceae)
Physical Description: Microcryst. powder (MeOH/Et_2O)(as perchlorate)
Melting Point: Mp 195-196° (perchlorate)
Optical Rotation: $[\alpha]_D^{20}$–29.3 (c, 0.96 in MeOH)

>>**Variant:** (*S*)-form

CAS Registry Number: 70494-63-2

Molecular Formula: $C_{17}H_{22}NO_4$
Molecular Weight: 304.365
Accurate Mass: 304.154884
Percentage Composition: C 67.09%; H 7.29%; N 4.60%; O 21.03%
Biological Source: Alkaloid from the leaves, roots and stems of *Choisya ternata* (Rutaceae)
Melting Point: Mp 184-185° (as chloride)
Optical Rotation: $[\alpha]_D^{20}$–15.3 (c, 0.02 in MeOH)