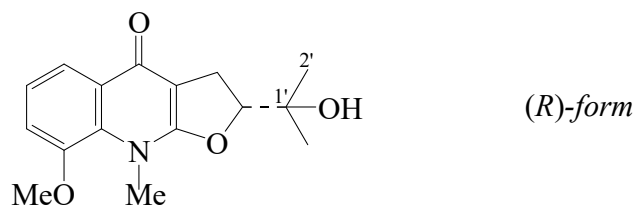




>>Entry Name: Balfourodine

Synonym(s): 3,9-Dihydro-2-(1-hydroxy-1-methylethyl)-8-methoxy-9-methylfuro[2,3-*b*]quinolin-4(2*H*)-one, 9Cl. Hydroxylunacrine



Molecular Formula: C₁₆H₁₉NO₄

Molecular Weight: 289.33

Accurate Mass: 289.131409

Percentage Composition: C 66.42%; H 6.62%; N 4.84%; O 22.12%

>>Variant: (*R*)-form

CAS Registry Number: 484-61-7

Molecular Formula: C₁₆H₁₉NO₄

Molecular Weight: 289.33

Accurate Mass: 289.131409

Percentage Composition: C 66.42%; H 6.62%; N 4.84%; O 22.12%

Biological Source: Alkaloid from *Balfourodendron riedelianum* (Rutaceae)

Physical Description: Cryst. (CHCl₃/C₆H₆)

Melting Point: Mp 188-189°

Optical Rotation: [α]_D +49 (c, 1 in EtOH)

>>Derivative: Perchlorate

Melting Point: Mp 212-213°

>>Derivative: 1'-Deoxy

Synonym(s): Lunacrine

CAS Registry Number: 82-40-6

Molecular Formula: C₁₆H₁₉NO₃

Molecular Weight: 273.331

Accurate Mass: 273.136494

Percentage Composition: C 70.31%; H 7.01%; N 5.12%; O 17.56%

Biological Source: Alkaloid from leaves of *Lunasia amara* and other *Lunasia* spp. (Rutaceae)

Use/Importance: Hypotensive agent

Physical Description: Needles (EtOAc)

Melting Point: Mp 117-119°

Optical Rotation: [α]_D²⁵ -50 (c, 0.8 in EtOH)

Other Data: Forms monohydrate, Mp 96°

Hazard & Toxicity: Toxic, LD₅₀ =80 mg/kg (i.v., mice)

>>Variant: (*S*)-form

CAS Registry Number: 17958-35-9

Molecular Formula: C₁₆H₁₉NO₄

Molecular Weight: 289.33

Accurate Mass: 289.131409

Percentage Composition: C 66.42%; H 6.62%; N 4.84%; O 22.12%

Biological Source: Alkaloid from *Lunasia amara* (Rutaceae)

Melting Point: Mp 201-203°

>>Derivative: Perchlorate

Melting Point: Mp 216-218°

Optical Rotation: [α]_D²⁴ -14.6 (EtOH)