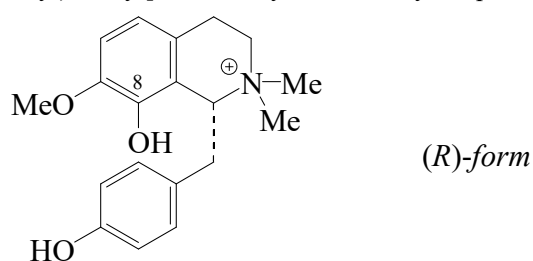




>>Entry Name: Oblongine

Synonym(s): 1,2,3,4-Tetrahydro-8-hydroxy-1-[(4-hydroxyphenyl)methyl]-7-methoxy-2,2-dimethylisoquinolinium, 9Cl



Related CAS Registry Numbers(s): 152321-76-1

Molecular Formula: $C_{19}H_{24}NO_3^{(+)}$

Molecular Weight: 314.403

Accurate Mass: 314.175619

Percentage Composition: C 72.58%; H 7.69%; N 4.46%; O 15.27%

>>Variant: (R)-form

CAS Registry Number: 152230-57-4

Extra CAS Registry Numbers(s): 152230-59-6

Molecular Formula: $C_{19}H_{24}NO_3$

Molecular Weight: 314.403

Accurate Mass: 314.175619

Percentage Composition: C 72.58%; H 7.69%; N 4.46%; O 15.27%

Biological Source: Quaternary alkaloid from stems of *Litsea cubeba* (Lauraceae)

Physical Description: Amorph. solid (as perchlorate)

Melting Point: Mp 109.5° (as perchlorate)

Optical Rotation: $[\alpha]_D^{24} -11$ (c, 1.0 in MeOH)

>>Variant: (S)-form

CAS Registry Number: 60008-01-7

Extra CAS Registry Numbers(s): 60134-32-9

Molecular Formula: $C_{19}H_{24}NO_3$

Molecular Weight: 314.403

Accurate Mass: 314.175619

Percentage Composition: C 72.58%; H 7.69%; N 4.46%; O 15.27%

Biological Source: Quaternary alkaloid from *Berberis oblonga*

Melting Point: Mp 160° (as iodide)

Optical Rotation: $[\alpha]_D -9$

>>Variant: (±)-form

CAS Registry Number: 97185-37-0

Molecular Formula: $C_{19}H_{24}NO_3$

Molecular Weight: 314.403

Accurate Mass: 314.175619

Percentage Composition: C 72.58%; H 7.69%; N 4.46%; O 15.27%

Biological Source: Quaternary alkaloid from the roots of *Tiliacora dinklagei* (Menispermaceae)

Physical Description: Cryst. (Me₂CO/petrol) (as iodide)

Melting Point: Mp 161° (153-155°) (iodide)

References:

Karimov, A. *et al.*, *Khim. Prir. Soedin.*, 1976, **12**, 117-118, (*isol*)

Dwuma-Badu, D. *et al.*, *J. Nat. Prod.*, 1983, **46**, 342, (*isol, uv, ir, pmr, ms, struct, synth*)

Lee, S.-S. *et al.*, *J. Nat. Prod.*, 1993, **56**, 1971, (*Oblongine*)