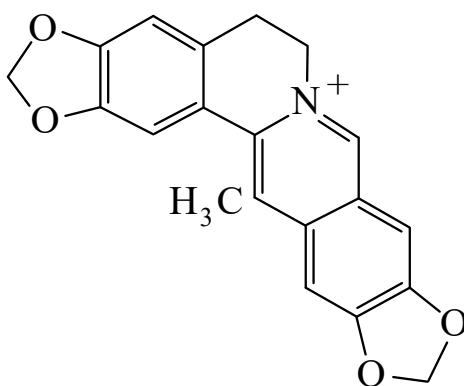




>>Entry Name: Worenine

Synonym(s): 5,6-Dihydro-14-methylbis[1,3]benzodioxolo[5,6-*a*:5',6'-*g*]quinolizinium, 9Cl. 13-Methylpseudocoptisine



CAS Registry Number: 38763-29-0

Molecular Formula: $C_{20}H_{16}NO_4^{(+)}$

Molecular Weight: 334.351

Accurate Mass: 334.107934

Percentage Composition: C 71.85%; H 4.82%; N 4.19%; O 19.14%

similar to those of Worenine, although direct comparison has not been possible

Biological Source: Quarternary alkaloid from *Coptis japonica* and *Coptis chinensis* (Ranunculaceae)

>>Derivative: Chloride

CAS Registry Number: 38763-54-1

Molecular Formula: $C_{20}H_{16}ClNO_4$

Molecular Weight: 369.803

Accurate Mass: 369.076786

Percentage Composition: C 64.96%; H 4.36%; Cl 9.59%; N 3.79%; O 17.31%

Physical Description: Yellow needles (H_2O)

Melting Point: Mp 295° (nat.). Mp 288-289° (synthetic)

>>Derivative: Iodide

CAS Registry Number: 38763-55-2

Molecular Formula: $C_{20}H_{16}INO_4$

Molecular Weight: 461.255

Accurate Mass: 461.012407

Percentage Composition: C 52.08%; H 3.50%; I 27.51%; N 3.04%; O 13.87%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 300°. Mp 297-299° (synthetic)

>>Derivative: Picrate

CAS Registry Number: 38763-56-3

Physical Description: Cryst. (MeOH)

Melting Point: Mp 233°

References:

Kitasato, Z., *Yakugaku Zasshi*, 1927, **542**, 315, (*isol*)

Schramm, G. *et al.*, *Pharmazie*, 1959, **14**, 405, (*isol*)

Govindachari, T.R. *et al.*, *Indian J. Chem.*, 1971, **9**, 1313, (*synth, struct*)