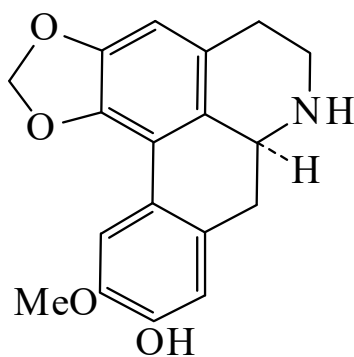




>>Entry Name: Actinodaphnine

Synonym(s): 9-Hydroxy-10-methoxy-1,2-methylenedioxy-noraporphine



(S)-form

Molecular Formula: C₁₈H₁₇NO₄

Molecular Weight: 311.337

Accurate Mass: 311.115759

Percentage Composition: C 69.44%; H 5.50%; N 4.50%; O 20.56%

>>Variant: (S)-form

CAS Registry Number: 517-69-1

Molecular Formula: C₁₈H₁₇NO₄

Molecular Weight: 311.337

Accurate Mass: 311.115759

Percentage Composition: C 69.44%; H 5.50%; N 4.50%; O 20.56%

Biological Source: Alkaloid from a variety of genera in the Hernandiaceae (*Hernandia*, *Illigera*), Lauraceae (*Actinodaphne*, *Cassytha*, *Laurus*, *Litsea*, *Neolitsea*) and Annonaceae (*Guatteria*)

Physical Description: Needles (EtOH)

Melting Point: Mp 210-211°

Optical Rotation: $[\alpha]_D +39$ (c, 1 in CHCl₃)

>>Derivative: Hydrochloride

Melting Point: Mp 280-281 dec.°

Optical Rotation: $[\alpha]_D^{20} +8.75$ (H₂O)

>>Derivative: Hydroiodide

Physical Description: Needles (EtOH)

Melting Point: Mp 264-265 dec.°

>>Derivative: Picrate

Physical Description: Needles + 1H₂O (EtOH aq.)

Melting Point: Mp 220-222 dec.°

>>Derivative: Methiodide

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 243-244°

>>Derivative: N,O-Di-Ac

Melting Point: Mp 253-255°

Optical Rotation: $[\alpha]_D +329$ (c, 0.11 in CHCl₃)

>>Derivative: N-Me

see Cassythicine, [GNQ84-C](#)

>>Derivative: N,O-Di-Me

see Dicentrine, [CFZ32-I](#)