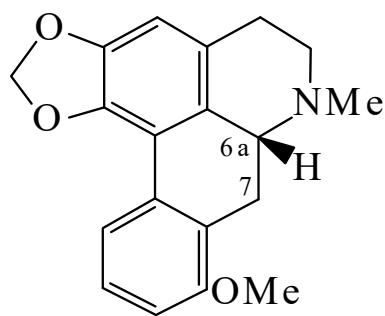




>>Entry Name: **Stephanine**

Synonym(s): 8-Methoxy-1,2-methylenedioxyaporphine



(*R*)-form

Molecular Formula: C₁₉H₁₉NO₃

Molecular Weight: 309.364

Accurate Mass: 309.136494

Percentage Composition: C 73.77%; H 6.19%; N 4.53%; O 15.52%

>>Variant: (*R*)-form

CAS Registry Number: 517-63-5

Molecular Formula: C₁₉H₁₉NO₃

Molecular Weight: 309.364

Accurate Mass: 309.136494

Percentage Composition: C 73.77%; H 6.19%; N 4.53%; O 15.52%

Biological Source: Alkaloid from *Stephania capitata* and *Stephania japonica* (Menispermaceae)

Melting Point: Mp 155-157°

Optical Rotation: [α]_D -92.5 (CHCl₃)

>>Derivative: Methiodide

Melting Point: Mp 211-215°

>>Derivative: 6*a*,7-Didehydro

Synonym(s): Dehydrostephanine

CAS Registry Number: 76907-76-1

Molecular Formula: C₁₉H₁₇NO₃

Molecular Weight: 307.348

Accurate Mass: 307.120844

Percentage Composition: C 74.25%; H 5.57%; N 4.56%; O 15.62%

Melting Point: Mp 161-163°

>>Variant: ($\pm$)-form

Molecular Formula: C₁₉H₁₉NO₃

Molecular Weight: 309.364

Accurate Mass: 309.136494

Percentage Composition: C 73.77%; H 6.19%; N 4.53%; O 15.52%

Source/Synthesis: Synthetic

Physical Description: Prisms (Me₂CO)

Melting Point: Mp 136-137° (131-133°)

>>Derivative: Hydrochloride

Physical Description: Needles (MeOH/Et₂O)

Melting Point: Mp 269-270 dec.°

>>Derivative: Methiodide

Physical Description: Needles

Melting Point: Mp 212-214°

References: