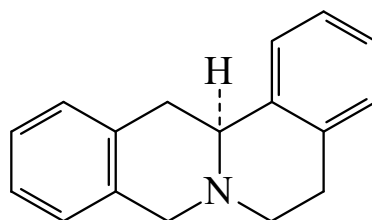




>>Entry Name: **Dibenzo[*a,g*]quinolizidine**

Synonym(s): 5,8,13,13*a*-Tetrahydro-6*H*-dibenzo[*a,g*]quinolizine, 9Cl. Tetrahydropprotoberberine. Berbine



(*S*)-form

CAS Registry Number: 483-49-8

Related CAS Registry Numbers(s): 5956-61-6 64361-61-1

Molecular Formula: C₁₇H₁₇N

Molecular Weight: 235.328

Accurate Mass: 235.136099

Percentage Composition: C 86.77%; H 7.28%; N 5.95%

Use/Importance: Parent ring system of protoberberine alkaloids eg. Corydaline [CFS68-O](#). Exhibits sympatholytic activity

>>Variant: (*S*)-form

CAS Registry Number: 131-10-2

Molecular Formula: C₁₇H₁₇N

Molecular Weight: 235.328

Accurate Mass: 235.136099

Percentage Composition: C 86.77%; H 7.28%; N 5.95%

Physical Description: Cryst. (petrol)

Melting Point: Mp 88.5-89°

Optical Rotation: [α]_D²⁰ -462 (c, 1.4 in C₆H₆). [α]_D -386 (c, 1.6 in CHCl₃)

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

CAS Registry Number: 41173-75-5

Molecular Formula: C₁₇H₁₇N

Molecular Weight: 235.328

Accurate Mass: 235.136099

Percentage Composition: C 86.77%; H 7.28%; N 5.95%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 85°

>>Derivative: Hydrochloride

Melting Point: Mp 237°

>>Derivative: Oxalate

CAS Registry Number: 30315-24-3

Physical Description: Needles (EtOH)

Melting Point: Mp 190-191°

>>Derivative: Picrate

Physical Description: Yellow needles

Melting Point: Mp 151°

>>Derivative: *N*-Oxide

CAS Registry Number: 30315-30-1

Molecular Formula: C₁₇H₁₇NO

Molecular Weight: 251.327

Accurate Mass: 251.131014

Percentage Composition: C 81.24%; H 6.82%; N 5.57%; O 6.37%

Physical Description: Needles (H₂O)

Melting Point: Mp 138-139°