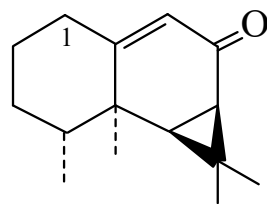




>>Entry Name: 9-Aristolen-8-one

Synonym(s): Aristolone



CAS Registry Number: 25274-27-5

Related CAS Registry Numbers(s): 6831-17-0

Molecular Formula: C₁₅H₂₂O

Molecular Weight: 218.338

Accurate Mass: 218.167065

Percentage Composition: C 82.52%; H 10.16%; O 7.33%

Biological Source: Constit. of *Aristolochia debilis*

Physical Description: Cryst.

Melting Point: Mp 100-101°

Optical Rotation: $[\alpha]_D^{12} -339.4$

>>Derivative: 1 α -Hydroxy

Synonym(s): 1 α -Hydroxy-9-aristolen-8-one

Molecular Formula: C₁₅H₂₂O₂

Molecular Weight: 234.338

Accurate Mass: 234.16198

Percentage Composition: C 76.88%; H 9.46%; O 13.66%

Biological Source: Constit. of *Aristolochia debilis*

Physical Description: Cryst. (Et₂O/pentane)

Melting Point: Mp 134°

References:

- Büchi, G. *et al.*, *Tet. Lett.*, 1962, 827, (*pmr, abs config*)
Piers, E. *et al.*, *Can. J. Chem.*, 1969, **47**, 4307, (*synth*)
Allen, F.H. *et al.*, *Acta Cryst. B*, 1973, **29**, 1451, (*cryst struct*)
Rücker, G. *et al.*, *Phytochemistry*, 1984, **23**, 1647, (*deriv*)
Harrigan, G.G. *et al.*, *J. Nat. Prod.*, 1993, **56**, 921, (*cmr*)