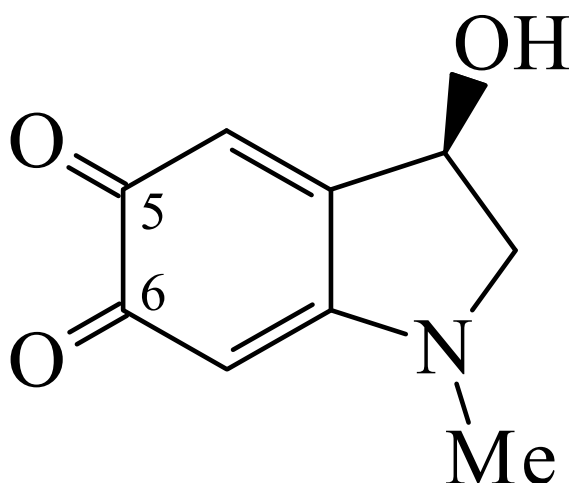




>>Entry Name: **Adrenochrome**

Synonym(s): 2,3-Dihydro-3-hydroxy-1-methyl-1*H*-indole-5,6-dione, 9CI



(R)-form

CAS Registry Number: 54-06-8

Molecular Formula: C₉H₉NO₃

Molecular Weight: 179.175

Accurate Mass: 179.058244

Percentage Composition: C 60.33%; H 5.06%; N 7.82%; O 26.79%

Use/Importance: Has a variety of physiol. props. incl. hallucinogenic

Calculated Log P Data: Log P -1.49 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, ipr) 150 mg/kg

Sigma: A5752

>>Variant: *(R)*-form

CAS Registry Number: 7506-92-5

Molecular Formula: C₉H₉NO₃

Molecular Weight: 179.175

Accurate Mass: 179.058244

Percentage Composition: C 60.33%; H 5.06%; N 7.82%; O 26.79%

Source/Synthesis: Obt. by oxidn. of adrenaline by various means

Physical Description: Unstable deep violet-red needles

Optical Rotation: [α]₆₃₀²⁵ +150

Other Data: Readily oxidised → melanin. Dec. between 100° and 135°