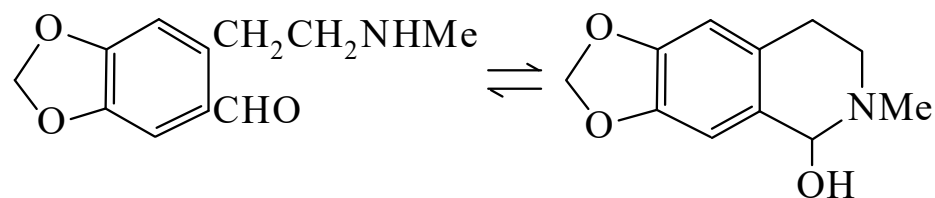




>>Entry Name: Hydrastinine, 8Cl

Synonym(s): 5,6,7,8-Tetrahydro-6-methyl-1,3-dioxolo[4,5-g]isoquinolin-5-ol, 9Cl. 2-(2-Methylaminoethyl)-4,5-methylenedioxybenzaldehyde. 6-β-Methylaminoethylpiperonal



CAS Registry Number: 6592-85-4

Related CAS Registry Numbers(s): 5936-29-8 157319-19-2

Molecular Formula: C₁₁H₁₃NO₃

Molecular Weight: 207.229

Accurate Mass: 207.089544

Percentage Composition: C 63.76%; H 6.32%; N 6.76%; O 23.16%

Use/Importance: Dopamine antagonist. Formerly used as a uterine haemostatic agent

Physical Description: Needles (petrol)

Melting Point: Mp 116-117°

pKa Value: pK_a 11.58 (15°)

Hazard & Toxicity: Causes paralysis of vasomotor nerves when administered parenterally. LD₅₀ (rat, ipr) 100 mg/kg

>>Derivative: Hydrochloride

CAS Registry Number: 4884-68-8

Melting Point: Mp 212 dec.°

>>Derivative: Hydroiodide

Melting Point: Mp 233-234°

>>Derivative: Methiodide

Melting Point: Mp 267°

>>Derivative: Oxime

Molecular Formula: C₁₁H₁₄N₂O₃

Molecular Weight: 222.243

Accurate Mass: 222.100443

Percentage Composition: C 59.45%; H 6.35%; N 12.60%; O 21.60%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 145-146°

>>Derivative: N-Ac

Molecular Formula: C₁₃H₁₅NO₄

Molecular Weight: 249.266

Accurate Mass: 249.100109

Percentage Composition: C 62.64%; H 6.07%; N 5.62%; O 25.67%

Physical Description: Needles (H₂O or EtOH aq.)

Melting Point: Mp 105°

>>Derivative: N-Benzoyl

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%

Melting Point: Mp 98-99°

References: