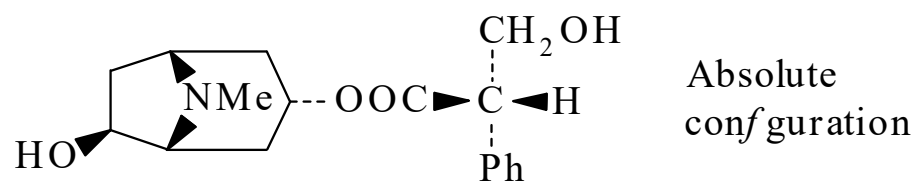




>>Entry Name: 6-Hydroxyhyoscyamine

Synonym(s): 6-Hydroxy-8-methyl-8-azabicyclo[3.2.1]oct-3-yl α -(hydroxymethyl)benzeneacetate, 9Cl. Anisodamine. Alkaloid V



CAS Registry Number: 17659-49-3

Related CAS Registry Numbers(s): 52646-91-0

Molecular Formula: C₁₇H₂₃NO₄

Molecular Weight: 305.373

Accurate Mass: 305.162709

Percentage Composition: C 66.86%; H 7.59%; N 4.59%; O 20.96%

Use/Importance: Anticholinergic, antispasmodic agent. Reduces effects of acute myocardial infarction in rabbits. Shows atropine-like activity

Calculated Log P Data: Log P 0.11 (calc)

>>Variant: (-)-form

CAS Registry Number: 55869-99-3

Molecular Formula: C₁₇H₂₃NO₄

Molecular Weight: 305.373

Accurate Mass: 305.162709

Percentage Composition: C 66.86%; H 7.59%; N 4.59%; O 20.96%

Biological Source: Alkaloid from *Datura ferox*, *Przewalskia tangutica*, *Scopolia tanguticus* and *Physochlaina dubia* (Solanaceae)

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 61-62°

Optical Rotation: $[\alpha]_D^{20}$ -13.5 (c, 1.9 in MeOH)

>>Derivative: Hydrobromide

Melting Point: Mp 162° (156-157°)

Optical Rotation: $[\alpha]_D^{23}$ -6.8

>>Derivative: Picrate

Melting Point: Mp 137°

>>Derivative: N-Oxide

Synonym(s): 6-Hydroxyhyoscyamine N-oxide

CAS Registry Number: 54519-13-0

Molecular Formula: C₁₇H₂₃NO₅

Molecular Weight: 321.372

Accurate Mass: 321.157624

Percentage Composition: C 63.54%; H 7.21%; N 4.36%; O 24.89%

Biological Source: Alkaloid from *Physochlaina alaica* (Solanaceae)

Physical Description: Cryst. (EtOH)

Melting Point: Mp 105-106°

Other Data: Config. not detd.

>>Derivative: Di-Ac

Molecular Formula: C₁₉H₂₅NO₅

Molecular Weight: 347.41

Accurate Mass: 347.173274

Percentage Composition: C 65.69%; H 7.25%; N 4.03%; O 23.03%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 74.5-75.5°