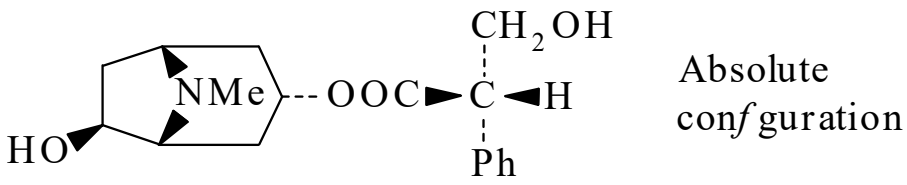
>>**Entry Name: 6-Hydroxyhyoscyamine**
Synonym(s): 6-Hydroxy-8-methyl-8-azabicyclo[3.2.1]oct-3-yl α-(hydroxymethyl)benzeneacetate, 9Cl. Anisodamine. Alkaloid V



CAS Registry Number: 17659-49-3
Related CAS Registry Numbers(s): 52646-91-0

Molecular Formula: $C_{17}H_{23}NO_4$
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: $C_{17}H_{23}NO_4$
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. (C_6H_6)
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: $C_{17}H_{23}NO_5$
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: $C_{19}H_{25}NO_5$
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. (Et_2O)
Melting Point: Mp 74.5-75.5°

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