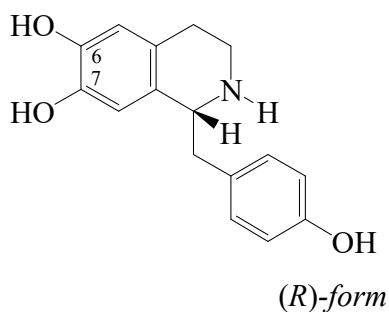




>>Entry Name: **Higenamine**

Synonym(s): 1,2,3,4-Tetrahydro-1-[(4-hydroxyphenyl)methyl]-6,7-isoquinolinediol, 9Cl. 1,2,3,4-Tetrahydro-6,7-dihydroxy-1-(4-hydroxybenzyl)isoquinoline.
Demethylcoclaurine



CAS Registry Number: 17072-47-8

Related CAS Registry Numbers(s): 94997-19-0

Molecular Formula: C₁₆H₁₇NO₃

Molecular Weight: 271.315

Accurate Mass: 271.120844

Percentage Composition: C 70.83%; H 6.32%; N 5.16%; O 17.69%

>>Variant: (R)-form

CAS Registry Number: 106032-53-5

Molecular Formula: C₁₆H₁₇NO₃

Molecular Weight: 271.315

Accurate Mass: 271.120844

Percentage Composition: C 70.83%; H 6.32%; N 5.16%; O 17.69%

Physical Description: Prisms (EtOH)

Melting Point: Mp 242-244 dec.°

Optical Rotation: $[\alpha]_D^{26} +16$ (c, 1 in MeOH)

Other Data: Abs. config. not proven

>>Derivative: N-Me, N-oxide(R-)

Synonym(s): N-Methylhigenamine N-oxide

CAS Registry Number: 240430-84-6

Molecular Formula: C₁₇H₁₉NO₄

Molecular Weight: 301.341

Accurate Mass: 301.131409

Percentage Composition: C 67.76%; H 6.35%; N 4.65%; O 21.24%

Biological Source: Alkaloid from *Gnetum parvifolium*

Physical Description: Needles (H₂O)

Melting Point: Mp 156-159°

Optical Rotation: $[\alpha]_D -9.6$ (c, 0.12 in DMSO)

UV: [neutral] $\lambda_{\max}$ 225 (sh) (log ϵ 4.35); 284 (log ϵ 3.64) (H₂O)

>>Derivative: O⁶-Me

Synonym(s): Coclaurine. Sanjoinine K

CAS Registry Number: 2196-60-3

Extra CAS Registry Numbers(s): 486-39-5

Molecular Formula: C₁₇H₁₉NO₃

Molecular Weight: 285.342

Accurate Mass: 285.136494

Percentage Composition: C 71.56%; H 6.71%; N 4.91%; O 16.82%

spinosus) (Rhamnaceae)

Use/Importance: Hypotensive agent

Melting Point: Mp 217-218°

Optical Rotation: $[\alpha]_D +47$ (EtOH)

Other Data: The *A. archboldiana* isolate, $[\alpha]_D +22^\circ$, was a partial racemate (1:1 mixt. of (+)- and (±)-forms)