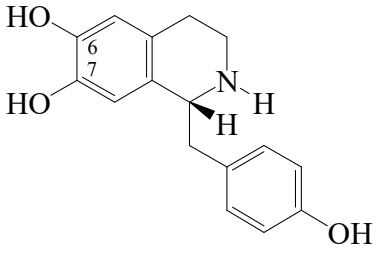
>>**Entry Name: Higenamine**
Synonym(s): 1,2,3,4-Tetrahydro-1-[(4-hydroxyphenyl)methyl]-6,7-isoquinolinediol, $_{9Cl}$. 1,2,3,4-Tetrahydro-6,7-dihydroxy-1-(4-hydroxybenzyl)isoquinoline. Demethylcoclaurine



(*R*)-*form*

CAS Registry Number: 17072-47-8
Related CAS Registry Numbers(s): 94997-19-0

Molecular Formula: $C_{16}H_{17}NO_3$
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: $C_{16}H_{17}NO_3$
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: $C_{17}H_{19}NO_4$
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 (H_2O)
Melting Point: Mp 156-159°
Optical Rotation: $[\alpha]_D$ –9.6 (c, 0.12 in DMSO)
UV: [neutral] λ_{max} 225 (sh) (log ε 4.35); 284 (log ε 3.64) (H_2O)

>>**Derivative:** O^6-Me
Synonym(s): Coclaurine. Sanjoinine K

CAS Registry Number: 2196-60-3
Extra CAS Registry Numbers(s): 486-39-5

Molecular Formula: $C_{17}H_{19}NO_3$
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°, was a partial racemate (1:1 mixt. of (+)- and (±)-forms)