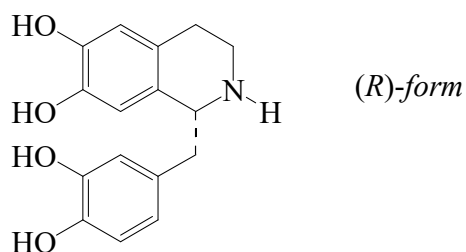




>>Entry Name: Norlaudanosoline

Synonym(s): 1-[(3,4-Dihydroxyphenyl)methyl]-1,2,3,4-tetrahydro-6,7-isoquinolinediol, 9Cl. Tetrahydropapaveroline. 1-(3,4-Dihydroxybenzyl)-1,2,3,4-tetrahydro-6,7-isoquinolinediol, 8Cl



CAS Registry Number: 4747-99-3

Molecular Formula: C₁₆H₁₇NO₄

Molecular Weight: 287.315

Accurate Mass: 287.115759

Percentage Composition: C 66.89%; H 5.96%; N 4.88%; O 22.27%

Biological Source: Formed in brain striatum of ethanol consuming rats. Formerly believed to be a biosynthetic precursor of morphine in *Papaver somniferum*, now disproved

Biological Use/Importance: Dopaminergic and opioid receptor ligand implicated in alcohol addiction. Urinary metabolite of DOPA treated Parkinsonian patients

>>Variant: (R)-form

CAS Registry Number: 57073-16-2

Molecular Formula: C₁₆H₁₇NO₄

Molecular Weight: 287.315

Accurate Mass: 287.115759

Percentage Composition: C 66.89%; H 5.96%; N 4.88%; O 22.27%

>>Derivative: Hydrochloride

CAS Registry Number: 2292-26-4

Melting Point: Mp 285-286°

Optical Rotation: [α]_D²⁵ +32.1 (c, 1 in H₂O)

>>Variant: (S)-form

CAS Registry Number: 57073-15-1

Molecular Formula: C₁₆H₁₇NO₄

Molecular Weight: 287.315

Accurate Mass: 287.115759

Percentage Composition: C 66.89%; H 5.96%; N 4.88%; O 22.27%

Other Data: Air-sensitive

>>Derivative: Hydrochloride

CAS Registry Number: 2292-27-5

Physical Description: Cryst. (6M HCl)

Melting Point: Mp 285-286°

Optical Rotation: [α]_D²⁵ -32.4 (c, 1 in H₂O)

>>Variant: (±)-form

CAS Registry Number: 19481-41-5

Extra CAS Registry Numbers(s): 67200-79-7

Molecular Formula: C₁₆H₁₇NO₄

Molecular Weight: 287.315

Accurate Mass: 287.115759

Percentage Composition: C 66.89%; H 5.96%; N 4.88%; O 22.27%

>>Derivative: Hydrochloride

CAS Registry Number: 70761-62-5

Melting Point: Mp 291-293° (dec.)

>>Derivative: Hydrobromide