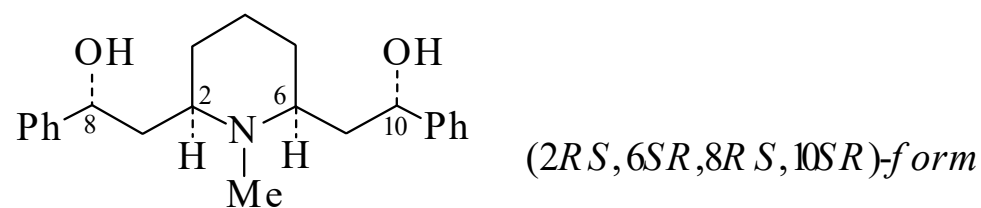




>>Entry Name: Lobelanidine, 8Cl

Synonym(s): 1-Methyl- α,α' -diphenyl-2,6-piperidinediethanol, 9Cl. 2,6-Bis(2-hydroxy-2-phenylethyl)-1-methylpiperidine. 8,10-Diphenyllobelidiol



CAS Registry Number: 552-72-7

Molecular Formula: $C_{22}H_{29}NO_2$

Molecular Weight: 339.477

Accurate Mass: 339.219829

Percentage Composition: C 77.84%; H 8.61%; N 4.13%; O 9.43%

Hazard & Toxicity: Toxic

>>Variant: (2*R*,6*S*,8*R*,10*S*)-form

Molecular Formula: $C_{22}H_{29}NO_2$

Molecular Weight: 339.477

Accurate Mass: 339.219829

Percentage Composition: C 77.84%; H 8.61%; N 4.13%; O 9.43%

Biological Source: Alkaloid from *Lobelia inflata*, *Lobelia hassleri*, *Lobelia stalfeldii*, other *Lobelia* spp., *Isotoma longiflora* and *Laurentia longiflora*, Lobelanidine of undetd. stereochem. also isol. from *Sedum acre* (Campanulaceae, Crassulaceae)

Physical Description: Prisms (EtOH)

Melting Point: Mp 150°

Other Data: Opt. inactive (*meso*-)

>>Derivative: Di-Ac

Molecular Formula: $C_{26}H_{33}NO_4$

Molecular Weight: 423.551

Accurate Mass: 423.240959

Percentage Composition: C 73.73%; H 7.85%; N 3.31%; O 15.11%

Melting Point: Mp 214-215°

>>Derivative: *O*- β -D-Glucopyranoside

Molecular Formula: $C_{28}H_{39}NO_7$

Molecular Weight: 501.619

Accurate Mass: 501.272654

Percentage Composition: C 67.04%; H 7.84%; N 2.79%; O 22.33%

Biological Source: Alkaloid from *Sedum acre* (Crassulaceae)

Melting Point: Mp 233-236° (as penta-Ac)

Optical Rotation: $[\alpha]_D^{22}$ -28 (MeOH) (penta-Ac)

>>Derivative: *O*- β -D-Glucopyranoside, penta-Ac

Melting Point: Mp 233-236 dec.°

Optical Rotation: $[\alpha]_D^{22}$ -28 (MeOH)

>>Derivative: Diketone

Synonym(s): Lobelanine. 2,2'-(1-Methyl-2,6-piperidinediyl)bis[1-phenylethanone], 9Cl. 1-Methyl-2,6-diphenacylpiperidine. 8,10-Diphenyllobelidione

CAS Registry Number: 579-21-5