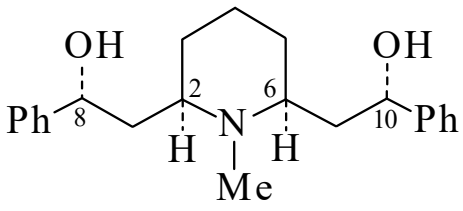
>>**Entry Name: Lobelanidine,** 8CI

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



(2*RS*,6*SR*,8*RS*,10*SR*)-*form*

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*RS*,6*SR*,8*RS*,10*SR*)-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 stallfeldii*, 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], 9CI. 1-Methyl-2,6-diphenacylpiperidine. 8,10-Diphenyllobelidione

CAS Registry Number: 579-21-5