



>>>Derivative: *N*-De-Me, *N*-Ac
Synonym(s): *N*-Acetylnornuciferine

CAS Registry Number: 1942-03-6

Molecular Formula: C₂₀H₂₁NO₃
Molecular Weight: 323.391
Accurate Mass: 323.152144
Percentage Composition: C 74.28%; H 6.54%; N 4.33%; O 14.84%
Biological Source: Alkaloid from the heartwood of *Liriodendron tulipifera* (Magnoliaceae)
Physical Description: Cryst. (MeOH)
Melting Point: Mp 229-230°
Optical Rotation: [α]_D²⁵ -406 (c, 0.65 in CHCl₃)

>>>Derivative: *O*²-De-Me
Synonym(s): 2-Hydroxy-1-methoxyaporphine. **Floribundine**. *N*-Methylasimilobine. *O*-Nornuciferine

CAS Registry Number: 3153-55-7

Molecular Formula: C₁₈H₁₉NO₂
Molecular Weight: 281.354
Accurate Mass: 281.141579
Percentage Composition: C 76.84%; H 6.81%; N 4.98%; O 11.37%
Biological Source: Alkaloid from *Nelumbo nucifera* (Nelumbonaceae) and from several genera in the Annonaceae (*Asimina*, *Xylopia*), Menispermaceae (*Stephania*), Papaveraceae (*Papaver*) and Rhamnaceae (*Colubrina*)
Melting Point: Mp 195-196°
Optical Rotation: [α]_D²⁰ -220 (c, 0.40 in CHCl₃)

>>>Derivative: *O*²-De-Me, *O*- β -D-glucopyranoside
Synonym(s): *N*-Methylasimilobine glucoside

Molecular Formula: C₂₄H₂₉NO₇
Molecular Weight: 443.496
Accurate Mass: 443.194404
Percentage Composition: C 65.00%; H 6.59%; N 3.16%; O 25.25%

Physical Description: Amorph. powder
Optical Rotation: [α]_D²⁷ -116.1 (c, 0.6 in MeOH)

>>>Derivative: *O*²-De-Me, *O*- α -L-rhamnopyranoside
Synonym(s): **Floripavidine**

CAS Registry Number: 62867-48-5

Molecular Formula: C₂₄H₂₉NO₆
Molecular Weight: 427.496
Accurate Mass: 427.199489
Percentage Composition: C 67.43%; H 6.84%; N 3.28%; O 22.46%
Biological Source: Alkaloid from *Papaver floribundum* (*Papaver fugax*), *Papaver cylindricum*, *Papaver armeniacum* and *Papaver persicum* (*Papaver tauricola*) (Papaveraceae)
Melting Point: Mp 241-242°
Optical Rotation: [α]_D -156 (c, 1.6 in MeOH)

>>>Derivative: *O*²,*N*-Di-de-Me
Synonym(s): 2-Hydroxy-1-methoxynoraporphine. **Asimilobine**‡

CAS Registry Number: 6871-21-2

Molecular Formula: C₁₇H₁₇NO₂
Molecular Weight: 267.327
Accurate Mass: 267.125929
Percentage Composition: C 76.38%; H 6.41%; N 5.24%; O 11.97%
Biological Source: Alkaloid from a wide variety of genera in the Annonaceae (*Anaxagorea*, *Annona*, *Asimina*, *Melodorum*, *Desmos*, *Guatteria*, *Hexalobus*, *Mitrella*, *Monanthes*, *Popowia*, *Polyalthia*, *Schefferomitra*, *Xylopia*, *Uvaria*), Aristolochiaceae (*Aristolochia*), Magnoliaceae (*Liriodendron*, *Magnolia*), Atherospermataceae (*Laurelia*), Nelumbonaceae (*Nelumbo*), Lauraceae (*Ocotea*) and Rhamnaceae (*Zizyphus*)
Biological Use/Importance: Serotonin receptor antagonist
Melting Point: Mp 177-179°
Optical Rotation: [α]