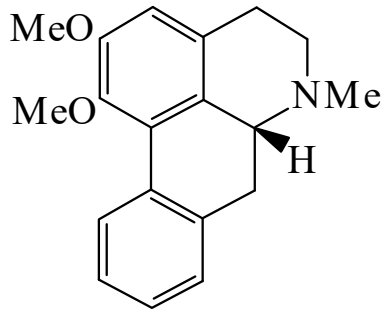
>>**Entry Name: Nuciferine**
Synonym(s): 1,2-Dimethoxyaporphine. Sanjoinine E



(*R*)-*form*

Molecular Formula: $C_{19}H_{21}NO_2$
Molecular Weight: 295.38
Accurate Mass: 295.157229
Percentage Composition: C 77.26%; H 7.17%; N 4.74%; O 10.83%
Biological Use/Importance: Inhibitor of adenylate cyclase. Shows strong sedative activity. Antispasmodic agent
Calculated Log P Data: Log P 3.5 (uncertain value) (calc)
UV: [neutral] λ_{max} 230 (); 272 (); 310 () (MeOH) (Berdy)

>>**Variant:** (*R*)-form
CAS Registry Number: 475-83-2

Molecular Formula: $C_{19}H_{21}NO_2$
Molecular Weight: 295.38
Accurate Mass: 295.157229
Percentage Composition: C 77.26%; H 7.17%; N 4.74%; O 10.83%
Biological Source: Alkaloid from *Nelumbo lutea* (Nelumbonaceae) and *Colubrina faralaotra* (Rhamnaceae), also from the Araceae, Berberidaceae, Lauraceae, Menispermaceae, Papaveraceae, Magnoliaceae and Annonaceae
Melting Point: Mp 165.5°
Optical Rotation: $[\alpha]_D^{20}$ –164 (c, 1 in EtOH)
Other Data: Pharmacol. active isomer
Hazard & Toxicity: LD_{50} (rat, orl) 280 mg/kg

>>**Derivative:** Hydrochloride

Melting Point: Mp 241° (*in vacuo*)

>>**Derivative:** Methiodide

Melting Point: Mp 177-178°

>>**Derivative:** *N*-De-Me
Synonym(s): 1,2-Dimethoxynorporphine. ***N*-Nornuciferine.** *N*-Demethylnuciferine. *N*-Desmethylnuciferine. Sanjoinine Ia. Daechualkaloid E

CAS Registry Number: 4846-19-9

Molecular Formula: $C_{18}H_{19}NO_2$
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 lutea* (Nelumbonaceae) and *Colubrina faralaotra* (Rhamnaceae), also from the Annonaceae, Magnoliaceae, Menispermaceae and Monimiaceae
Biological Use/Importance: Antispasmodic agent, serotonin receptor antagonist
Melting Point: Mp 128-129°
Optical Rotation: $[\alpha]_D^{25}$ –145 (c, 0.98 in EtOH)

>>**Derivative:** *N*-De-Me, *N*-formyl
Synonym(s): *N*-Formylnornuciferine