# Viquidil

**Cat. No.:** HY-105559

**CAS No.:** 84-55-9

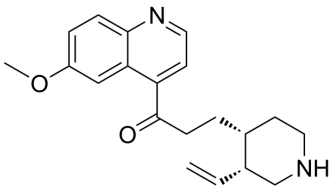
**Molecular Formula:** $C_{20}H_{24}N_2O_2$

**Molecular Weight:** 324.42

**Target:** Others

**Pathway:** Others

**Storage:** Please store the product under the recommended conditions in the Certificate of Analysis.




## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 125 mg/mL (385.30 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|---|
| | 1 mM | 3.0824 mL | 15.4121 mL | 30.8242 mL |
| | 5 mM | 0.6165 mL | 3.0824 mL | 6.1648 mL |
| | 10 mM | 0.3082 mL | 1.5412 mL | 3.0824 mL |

Please refer to the solubility information to select the appropriate solvent.

**In Vivo**

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.08 mg/mL (6.41 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (6.41 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (6.41 mM); Clear solution

## BIOLOGICAL ACTIVITY

**Description** Viquidil (Quinotoxine), an isomer of Quinidine, is a cerebral vasodilator agent. Viquidil shows antithrombotic activity[1][2].

**In Vivo** Viquidil increases the cerebral blood flow in the rabbit considerably[3].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Lecrubier C,et al. [Effect of a new cerebral vasodilator agent, viquidil, on the aggregation of blood platelets]. Arzneimittelforschung. 1972 Aug;22(8):1334-6.

[2]. Sim AK, et al. The antithrombotic activity of viquidil, a cerebral vasodilator. Arzneimittelforschung. 1979;29(3):508-11.

[3]. De Valois JC. Increase in cerebral blood flow in the rabbit by viquidil. Stroke. 1973 Mar-Apr;4(2):218-20.



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