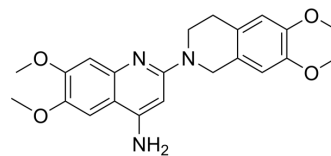


Abanoquil

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-106612 | | |
| CAS No.: | 90402-40-7 | | |
| Molecular Formula: | C ₂₂ H ₂₅ N ₃ O ₄ | | |
| Molecular Weight: | 395.45 | | |
| Target: | Adrenergic Receptor | | |
| Pathway: | GPCR/G Protein; Neuronal Signaling | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 12.5 mg/mL (31.61 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Mass | | |
|---------------|-----------|------------|------------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 2.5288 mL | 12.6438 mL | 25.2876 mL |
| 5 mM | 0.5058 mL | 2.5288 mL | 5.0575 mL |
| 10 mM | 0.2529 mL | 1.2644 mL | 2.5288 mL |

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

BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|---|
| Description | Abanoquil (U-K52046), an potent and selective α -1 adrenoceptor antagonist, is an anti-arrhythmic agent. Abanoquil can be used for erectile dysfunction research ^{[1][2]} . |
| IC₅₀ & Target | α 1-adrenergic receptor |
| In Vivo | Abanoquil is able to relax contracted tissue strips and induce erectile response when injected intracorporally in vivo monkey model ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

REFERENCES

[1]. A Girdali, et al. Abanoquil, a new alpha-1 adrenoceptor antagonist. In vitro and in vivo effect on erectile tissue. Int J Impot Res. 2000 Mar;12(S1):S37-S40.

[2]. T C Tham, et al. Dose-dependent alpha 1-adrenoceptor antagonist activity of the anti-arrhythmic drug, abanoquil (UK-52,046), without reduction in blood pressure in man. Br J Clin Pharmacol. 1992 Apr;33(4):405-9.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA