

Development and stability of 40 mg/mL amiodarone suspension

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Introduction

Amiodarone: class III antiarythmic drug, used in the treatment of supraventricular tachycardia

- No commercial oral drug is suitable for the pediatric population
- Need to make capsules iteratively to adjust dose to body surface area and dosing schedule (loading or maintenance dose)





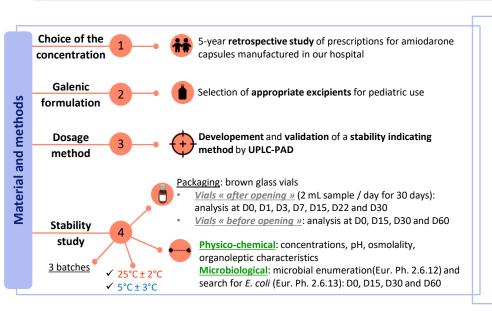


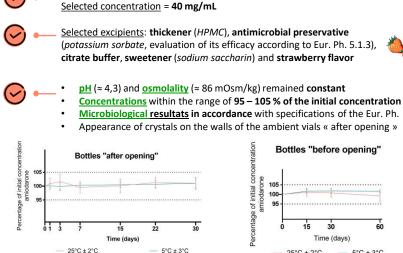
Develop an oral form of amiodarone adapted to pediatrics

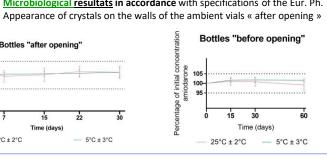


Evaluate its stability

47 children. Median age = 22 days. Median dose = 90 mg [IQR: 60 - 120 mg]







- Conclusion
- Develoment of an oral suspension of amiodarone at 40 mg/mL adapted to pediatrics, with simples excipients Physicochemical and microbiological stability at 60 days « before opening » and 30 days « after opening » at 5°C ± 3 °C

