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Potential of treating tuberculosis with a polymeric nano-drug delivery system

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Abstract

An effective therapeutic regimen is available for the treatment of tuberculosis (TB), however in developing countries; patient non-compliance due to high dose frequency and the lengthy duration of treatment, presents a major challenge, thus resulting in treatment failure. To address this challenge, the project seeks to develop a nano-drug delivery system whereby anti-TB drugs can be administered in a single dose that maintains an active level of the drug for at least one week.