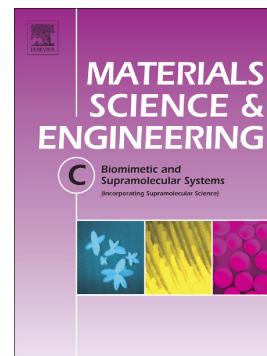


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COMPARATIVE STUDY OF TRANSDERMAL DRUG DELIVERY SYSTEMS OF RESVERATROL: HIGH EFFICIENCY OF DEFORMABLE LIPOSOMES

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ABSTRACT

Trans-resveratrol (3, 5, 4' trihydroxystilbene, RSV) is a natural compound that shows antioxidant, cardioprotective, anti-inflammatory and anticancer properties. The transdermal, painless application of RSV is an attractive option to other administration routes owing to its several advantages like avoiding gastrointestinal problems and first pass metabolism. However, its therapeutic potential is limited by its low solubility and low stability in water and the reduced permeability of stratum corneum. To overcome these inconveniences the encapsulation of this

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