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(54) Title: METHODS FOR PREPARING COATED DRUG PARTICLES AND PHARMACEUTICAL FORMULATIONS THEREOF

(57) Abstract

Disclosed are methods using pulsed laser ablation to prepare coated drug particles of uniform size and thickness. The coated drug particles ranged in size from several nanometers to several millimeters in diameter size, and were coated with organic polymer particle having average diameter sizes from about 1 to 50 nm. In illustrative embodiments, coated drug particles or drug delivery particles are disclosed comprising a biodegradable or biocompatible polymer coating having controlled thickness and controlled coating uniformity, that offer superior pharmaceutical properties for controlled delivery and increased bioavailability.