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Diffusion Controlled Extended Release Dosage Form

National Cancer Institute

Source

National Cancer Institute. *Diffusion Controlled Extended Release Dosage Form*. NCI Thesaurus. Code C42740.

A solid, semi-solid, solution or suspension covered with an outer permeable polymeric membrane designed to release active and/or inert ingredient(s) at a controlled, prolonged rate so as to reduce dosing frequency. Water permeates through the membrane to the core to dissolve the ingredient(s) which subsequently exit the membrane at a rate determined by their solubility and the thickness and porosity of the membrane.