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Cerivastatin

National Cancer Institute

Source

National Cancer Institute. *Cerivastatin*. NCI Thesaurus. Code C65308.

A synthetic lipid-lowering agent. Cerivastatin competitively inhibits hepatic hydroxymethylglutaryl coenzyme A (HMG-CoA) reductase, the enzyme which catalyzes the conversion of HMG-CoA to mevalonate, a key step in cholesterol synthesis. This agent lowers plasma cholesterol and lipoprotein levels, and modulates immune responses by suppressing major histocompatibility complex II on interferon gamma-stimulated, antigen-presenting cells such as human vascular endothelial cells. Muscle toxicity (myopathy and rhabdomyolysis) precludes the clinical use of this agent.