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Colestolone

National Cancer Institute

Source

National Cancer Institute. *Colestolone*. NCI Thesaurus. Code C81532.

An antilipidemic agent based on the carbon skeleton of cholesterol. Colestolone targets sterol regulatory element binding protein (SREBP) which reduces the transcription of the 3-hydroxy-3-methylglutaryl coenzyme A reductase (HMGCR) gene, the rate-limiting enzyme in the sterol pathway. Colestolone is also metabolized by cells into polar sterols, which are known to inhibit HMGCR enzymatic activity.