

[Open Peer Review on Qeios](#)

Aminocamptothecin Colloidal Dispersion

National Cancer Institute

Source

National Cancer Institute. *Aminocamptothecin Colloidal Dispersion*. NCI Thesaurus. Code C2452.

A colloidal dispersion formulation of 9-Aminocamptothecin, a water-insoluble camptothecin derivative. Aminocamptothecin binds to the nuclear enzyme topoisomerase I, thereby inhibiting repair of single-strand DNA breakages. Because the terminal lactone ring of aminocamptothecin required for the agent's antitumor activity spontaneously opens under physiological conditions to an inactive carboxy form, the drug must be administered over an extended period of time to achieve effective cytotoxicity.