

[Open Peer Review on Qeios](#)

Eribulin Mesylate

National Cancer Institute

Source

National Cancer Institute. *Eribulin Mesylate*. NCI Thesaurus. Code C26644.

The mesylate salt of a synthetic analogue of halichondrin B, a substance derived from a marine sponge (*Lissodendoryx* sp.) with antineoplastic activity. Eribulin binds to the vinca domain of tubulin and inhibits the polymerization of tubulin and the assembly of microtubules, resulting in inhibition of mitotic spindle assembly, induction of cell cycle arrest at G2/M phase, and, potentially, tumor regression.