

[Open Peer Review on Qeios](#)

Tubulin Binding Agent TTI-237

National Cancer Institute

Source

National Cancer Institute. *Tubulin Binding Agent TTI-237*. NCI Thesaurus. Code C61566.

A small synthetic molecule of triazolopyrimidine derivative with potential antitumor activity. With a novel mechanism of action distinct from the action of other vinca alkaloid compounds, TTI-237 specifically binds to tubulin at the vinca site, and promotes the polymerization of tubulin into microtubules. TTI-237 stabilizes tubulin and inhibits microtubule disassembly. This results in cell cycle arrest at the G2/M phase, and leading to cell death.