

[Open Peer Review on Qeios](#)

Eg5 Kinesin-Related Motor Protein Inhibitor 4SC-205

National Cancer Institute

Source

National Cancer Institute. *Eg5 Kinesin-Related Motor Protein Inhibitor 4SC-205*. NCI Thesaurus. Code C90557.

A small-molecule inhibitor of the human kinesin-related motor protein Eg5 with potential antineoplastic activity. Eg5 kinesin-related motor protein inhibitor 4SC-205 selectively inhibits the activity of Eg5, which may result in mitotic disruption, apoptosis and cell death. The ATP-dependent Eg5 kinesin-related motor protein (also known as KIF11 or kinesin spindle protein-5) is a plus-end directed kinesin motor protein essential for the regulation of spindle dynamics, including assembly and maintenance, during mitosis.