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Eg5 Kinesin-Related Motor Protein Inhibitor ARQ 621

National Cancer Institute

Source

National Cancer Institute. *Eg5 Kinesin-Related Motor Protein Inhibitor ARQ 621*. NCI Thesaurus. Code C82694.

A small-molecule inhibitor of the kinesin-related motor protein Eg5 with potential antineoplastic activity. Eg5 kinesin-related motor protein inhibitor ARQ 621 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 involved in the regulation of spindle dynamics, including assembly and maintenance, during mitosis.