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Proteasome Inhibitor

National Cancer Institute

Source

National Cancer Institute. *Proteasome Inhibitor*. NCI Thesaurus. Code C2160.

Any substance that inhibits the proteasome complex, an enzyme complex responsible for degradation of ubiquitinated proteins. Inhibition of proteasome activity and ubiquitin-proteasome mediated proteolysis results in an accumulation of poly-ubiquitinated proteins, which may result in the disruption of cellular processes, cell cycle arrest, the induction of apoptosis, and the inhibition of tumor growth and angiogenesis.