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PI3Kbeta Inhibitor AZD8186

National Cancer Institute

Source

National Cancer Institute. *PI3Kbeta Inhibitor AZD8186*. NCI Thesaurus. Code C107684.

An inhibitor of the beta isoform of phosphoinositide-3 kinase (PI3K), with potential antineoplastic activity. Upon administration, PI3Kbeta inhibitor AZD8186 selectively inhibits the activity of PI3Kbeta in the PI3K/Akt/mTOR signaling pathway, which may result in a decrease of tumor cell proliferation and induces cell death in PI3K-expressing cancer cells. By specifically targeting class I PI3K beta, this agent may be more efficacious and less toxic than pan PI3K inhibitors. PI3K-mediated signaling is often dysregulated in cancer cells and contributes to increased tumor cell growth, survival, and tumor resistance to a variety of antineoplastic agents.