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PI3K-delta Inhibitor INCB050465

National Cancer Institute

Source

National Cancer Institute. *PI3K-delta Inhibitor INCB050465*. NCI Thesaurus. Code C113434.

An inhibitor of the delta isoform of phosphoinositide-3 kinase (PI3K) with potential antineoplastic activity. PI3K-delta inhibitor INCB050465 inhibits the delta isoform of PI3K and prevents the activation of the PI3K/AKT signaling pathway. This both decreases proliferation and induces cell death in PI3K-delta-overexpressing tumor cells. Unlike other isoforms of PI3K, PI3K-delta is expressed primarily in hematopoietic disease and cell lineages. The targeted inhibition of PI3K-delta is designed to preserve PI3K signaling in normal, non-neoplastic cells. PI3K, an enzyme often overexpressed in cancer cells, plays a crucial role in tumor cell regulation and survival.