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# PI3K Inhibitor GSK1059615

National Cancer Institute

## Source

National Cancer Institute. *PI3K Inhibitor GSK1059615*. NCI Thesaurus. Code C78470.

A phosphoinositide 3-kinase (PI3K) inhibitor with potential antineoplastic activity. PI3K inhibitor GSK1059615 inhibits PI3K in the PI3K/AKT kinase signaling pathway, which may trigger the translocation of cytosolic Bax to the mitochondrial outer membrane and an increase in mitochondrial membrane permeability, followed by apoptosis. Bax is a member of the proapoptotic Bcl-2 family of proteins. PI3K, an enzyme often overexpressed in cancer cells, plays a crucial role in tumor cell regulation and survival.