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STAT Inhibitor OPB-111077

National Cancer Institute

Source

National Cancer Institute. *STAT Inhibitor OPB-111077*. NCI Thesaurus. Code C116873.

An orally bioavailable inhibitor of one or more signal transducer and activator of transcription (STAT) protein(s), with potential antineoplastic activity. Upon oral administration, OPB-111077 binds to and inhibits the phosphorylation of STATs. This prevents binding of STATs to DNA sequences on a variety of STAT-responsive gene promoters, which may result in the inhibition of both STAT-mediated transcription and tumor cell proliferation. STATs are constitutively activated in a variety of cancers and play a key role in tumor cell proliferation.