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Atiprimod

National Cancer Institute

Source

National Cancer Institute. *Atiprimod*. NCI Thesaurus. Code C52184.

An orally bioavailable small molecule belonging to the azaspirane class of cationic amphiphilic agents with anti-inflammatory, antineoplastic, and antiangiogenic properties. Atiprimod inhibits the phosphorylation of signal transducer and activator of transcription 3 (STAT3), blocking the signalling pathways of interleukin-6 and vascular endothelial growth factor (VEGF) and downregulating the anti-apoptotic proteins Bcl-2, Bcl-XL, and Mcl-1, thereby inhibiting cell proliferation, inducing cell cycle arrest, and inducing apoptosis.