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ERK 1/2 Inhibitor ASTX029

National Cancer Institute

Source

National Cancer Institute. <u>ERK 1/2 Inhibitor ASTX029</u>. NCI Thesaurus. Code C155785.

An orally bioavailable inhibitor of the extracellular signal-regulated kinases (ERK) 1 and 2, with potential antineoplastic activity. Upon administration, AST X029 specifically binds to and inhibits both ERK 1 and 2, thereby preventing the activation of mitogen-activated protein kinase (MAPK)/ERK-mediated signal transduction pathways. This results in the inhibition of ERK-dependent tumor cell proliferation and survival. The MAPK/ERK pathway is often upregulated in a variety of tumor cell types and plays a key role in the proliferation, differentiation and survival of tumor cells.

Qeios ID: PUV2VP · https://doi.org/10.32388/PUV2VP