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Title: Sulforaphane inhibits platelet-derived growth factor-induced vascular smooth muscle cell proliferation by targeting mTOR/p70S6kinase signaling independent of Nrf2 activation

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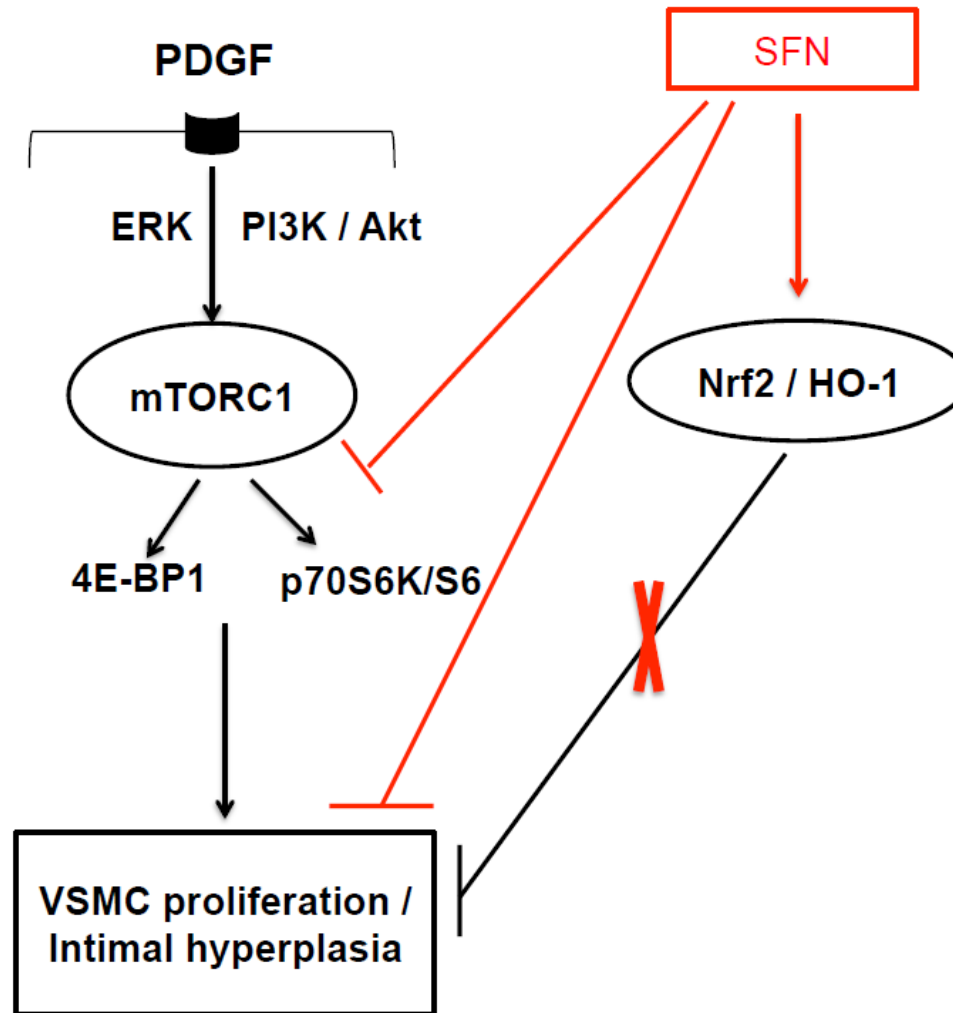
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Sulforaphane (SFN) inhibits downstream targets of mTORC1, including p70S6K/S6 and 4E-BP1 phosphorylation to attenuate PDGF-induced VSMC proliferation. Although SFN activates Nrf2 transcription factor to induce HO-1 expression, Nrf2 downregulation using target-specific siRNA reveals that Nrf2/HO-1 signaling does not contribute to SFN inhibition of VSMC proliferation.

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