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Structural Studies of Traf6 Inhibition

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Traf6 is a protein which affects NF-KB mediated transcription, hence it has a role in proliferation, differentiation, apoptosis and other cellular processes. Recent research has shown that, various forms of pancreatic cancer is related to Traf6 function, making the protein a good therapeutic target. A novel dithiol agent named SN1 shows good promise as a Traf6 inhibitor, as it can reduce the disulfide bonds formed at multiple zinc fingers of the target protein. In this study we are trying to find the molecular mechanism with which the SN1 interacts with Traf6.

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