

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Cancer				
Cancer	F-box and WD repeat domain containing 7 (FBXW7; FBW7)	An allosteric inhibitor of <i>FBXW7</i> , a subunit of the E3 ubiquitin ligase SCF ^{FBW7} , could be useful for treating cancer. A yeast-based assay identified a biplanar dicarboxylic acid molecule that inhibited SCF ^{Cdc4} , the yeast homolog of human SCF ^{FBW7} . Crystal structure analysis showed the inhibitor bound to an allosteric site on SCF ^{Cdc4} and prevented the ligase from properly binding its substrates. Next steps include structural optimization of the compound to increase its ability to inhibit SCF ^{FBW7} .	Compound unpatented; unavailable for licensing	Orlicky, S. <i>et al. Nat. Biotechnol.</i> ; published online June 27, 2010; doi:10.1038/nbt.1646 Contact: Mike Tyers, University of Edinburgh, Edinburgh, U.K. e-mail: m.tyers@ed.ac.uk Contact: Frank Sicheri, Samuel Lunenfeld Research Institute, Mount Sinai Hospital, Toronto, Ontario, Canada e-mail: sicheri@lunenfeld.ca
		<i>SciBX</i> 3(27); doi:10.1038/scibx.2010.820 Published online July 15, 2010		