

## This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
<b>Cancer</b>				
Cancer	Glutathione S-transferase $\omega$ 1 (GSTO1)	<i>In vitro</i> studies identified GSTO1 inhibitors that could help treat cancer. In a human breast cancer cell line, a lead $\alpha$ -chloroacetamide-based compound selectively inhibited GSTO1 with an IC <sub>50</sub> of 35 nM. In the same cells, the GSTO1 inhibitor plus cisplatin increased cytotoxicity compared with cisplatin alone. Next steps include determining whether the compound selectivity inhibits GSTO1 <i>in vivo</i> and whether inhibiting GSTO1 alone or in combination with chemotherapy impairs tumor growth in xenograft mouse models.  <b>SciBX 4(37); doi:10.1038/scibx.2011.1035</b> <b>Published online Sept. 22, 2011</b>	Unpatented; licensing status not applicable	Tsuboi, K. <i>et al. J. Am. Chem. Soc.</i> ; published online Sept. 7, 2011; doi:10.1021/ja2066972 <b>Contact:</b> Benjamin F. Cravatt, The Scripps Research Institute, La Jolla, Calif. e-mail: <a href="mailto:cravatt@scripps.edu">cravatt@scripps.edu</a>