

This week in therapeutics

Indication	Target/marker/ pathway	Summary	Licensing status	Publication and contact information
Neurology				
Pain; neurology	Serotonin (5-HT _{1A}) receptor	<p>A study in mice identified pyridylmethylamine-based 5-HT_{1A} receptor agonists that could help treat pain. In mice, pyridylmethylamines decreased pain compared with vehicle control. Next steps could include evaluating the most potent 5-HT_{1A} receptor agonists in additional mouse models of neurological conditions.</p> <p>Buspar buspirone, a partial 5-HT_{1A} receptor agonist from Bristol-Myers Squibb Co., is marketed to treat anxiety. Vilazodone, a mixed selective serotonin reuptake inhibitor (SSRI) and partial 5-HT_{1A} receptor agonist from Clinical Data Inc., is under review to treat depression.</p> <p>At least three other companies have 5-HT_{1A} agonists in Phase II or earlier for neurological disorders.</p> <p>SciBX 3(39); doi:10.1038/scibx.2010.1189 Published online Oct. 7, 2010</p>	Patent and licensing status unavailable	<p>Bollinger, S. <i>et al. J. Med. Chem.</i>; published online Sept. 22, 2010; doi:10.1021/jm100835q</p> <p>Contact: Peter Gmeiner, University of Erlangen-Nuremberg, Erlangen, Germany e-mail: peter.gmeiner@medchem.uni-erlangen.de</p>