

This week in therapeutics

Indication	Target/marker/pathway	Summary	Licensing status	Publication and contact information
Autoimmune disease				
Multiple sclerosis (MS)	Phosphodiesterase-7 (PDE-7)	<p><i>In vitro</i> and mouse studies identified furan-derived compounds that could help treat MS. <i>In vitro</i>, a lead compound inhibited PDE-7 with a single-digit micromolar IC₅₀ value. In a mouse model of experimental autoimmune encephalomyelitis (EAE), the compound delayed the development of motor disability and decreased weight loss compared with vehicle. Next steps include developing and testing more efficacious PDE-7 inhibitors.</p> <p>BRAINco Biopharma S.L. has PDE-7 inhibitors in preclinical development to treat MS.</p> <p>SciBX 5(11); doi:10.1038/scibx.2012.276 Published online March 15, 2012</p>	Patent application filed; licensed to BRAINco Biopharma	<p>Redondo, M. <i>et al. J. Med. Chem.</i>; published online March 5, 2012; doi:10.1021/jm201720d</p> <p>Contact: Carmen Gil, Institute of Medical Chemistry, Madrid, Spain e-mail: cgil@iqm.csic.es</p>