<table>
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<th>Indication</th>
<th>Target/marker/pathway</th>
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| Cardiovascular disease           | Glutathione peroxidase 4     | Mouse studies suggest inhibiting ferroptosis could help treat ischemia/reperfusion injury in the liver and kidney. The GPX4 enzyme decreases toxic phospholipid hydroperoxides associated with ferroptosis, an apoptosis- and necrosis-independent form of cell death. In a mouse model of hepatic ischemia/reperfusion injury, the spiroquinoxalinamine liproxstatin-1 decreased markers of phospholipid hydroperoxidation and hepatic tissue injury compared with vehicle. Next steps include improving the physicochemical and in vivo properties of liproxstatin-1 and evaluating the compound in indications related to ischemia/reperfusion injury. | Patent application filed; available for licensing | Friedmann Angeli, J.P. et al. Nat. Cell Biol.; published online Nov. 17, 2014; doi:10.1038/ncb3064  
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