



Figure 1. Simplified schematic of (a) targeted treatment in the mTOR pathway (b) the concept of epileptogenesis and the potential for early intervention in the treatment of TSC. Epileptogenesis describes the complex process by which the normal brain undergoes molecular, structural and functional changes that result in abnormal neuronal activity that promotes seizures (Jozwiak et al., 2020)<sup>4</sup>; it encompasses the evolution from the initial insult (in the case of TSC, mutation of the *TSC1* or *TSC2* gene), through what is known as