P7C3A20 is a fluorinated aminopropyl carbazole; it is a more active analog of P7C3 that also exhibits antidepressant, cognition enhancing, and neuroprotective activities. In animal models of traumatic brain injury, P7C3A20 decreases brain contusion volume and improves motor function and cognitive ability. Additionally, P7C3A20 increases survival of dentate gyrus neurons in animal models of chronic social defeat stress. Like its parent compound, P7C3A20 also inhibits MPTP-induced neuronal death in animal models of Parkinson’s disease and delays the onset and preserves motor function in animal models of amyotrophic lateral sclerosis (ALS).

References


