

PHARMACEUTICAL SCIENCE

Advanced Edit

Parkinson's disease (PD) is a progressive extrapyramidal motor disorder. This disease is characterized by serlective dopamergic dopaminergic (DAergic) neuronal degradation degeneration in the substanctia nigra. To cCorrection of dopamine (DA) deficiency in PD with levodopa (L-dopa) significantly releases attenuates motor symptoms. Nowadays, DA receptor agonists are currently considered useful medication for PD and even regarded as the first preference line of treatment to delay starting the initiation of LL-dopa therapy. In the advanced stages of PD, they are also used as adjunct therapy together with to LLdopa. DA receptor agonists act by stimulation of presynaptic and postsynaptic DA receptors. Despite the usefulnessHowever, they could be causative for may cause valvulopathy and nonmotor complications such as DA dysregulation syndrome (DDS). In this paper, we discuss the physiological characteristics of the DA receptor family are discussed. We also discuss and the validity, benefits, and specific adverse effects of pharmaceutical DA receptor agonists.

Comment [A1]: Is this what you

Comment [A2]: I have made these changes to avoid repetition (of "discuss").

