



**Fig. 1.** NOX: NADPH-oxidase;  $O_2^{\cdot-}$ : Superoxide anion; GTP: Guanosine triphosphate; GCH-I: GTP cyclohydrolase I; PTPS: 6-pyruvyl-tetrahydropterinsynthase; BH4: Tetrahydrobiopterin; PAH: Phenylalanine hydroxylase; TH: Tyrosine hydroxylase; L-DOPA: L-3,4-dihydroxyphenylalanine; TPH: Tryptophan hydroxylase; iNOS: Inducible nitric oxide synthase; NO: Nitric oxide; ONOO<sup>-</sup>: Peroxynitrite; IDO-I: Indoleamine 2,3 dioxygenase