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## Record 1 of 1

Title: Effect of epigallocatect Author(s): AL-amri, JS (AL- Source: INDIAN JOURNAL	nin-3-gallate on inflammatory m amri, Jehan S.); Hagras, MM (F OF EXPERIMENTAL BIOLO	ediators release in LPS Iagras, Magda M.); Mu GY <b>Volume: 51 Issue</b>	induced Parkinson's disease in rats allid, MI (Mujallid, Mohamed I.) 5 <b>Pages:</b> 357-362 <b>Published:</b> MAY 2013				
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Abstract: Degeneration of do response of the brain has long present study was to examine lipopolysaccharide (LPS)-ind content of TNF-alpha, NO an hydroxylase-immunoreactive compared to LPS-treated rats was found to have a potential midbrain.	ppamine (DA)-containing neuro been speculated to play a role i the effect of epigallocatechin-3 uced neurotoxicity. A single int d a decrease of DA level at 4, 2. (TH-ir) neurons in the midbrair Moreover, it increased DA leve therapeutic effect against LPS-i	ns in the substantia nigr n the pathogenesis of tl -gallate (EGCG) in pre- raperitoneal injection of 4 h, 3 and 7 days compa- at 7 days. Pretreatmen el and preserved the nun nduced neurotoxicity v	to of the midbrain causes Parkinson's disease (PD). Although neuroinflammatory is neurological disorder, the mechanism is still poorly understood. The aim of the ention of inflammatory mediators release and protection of dopaminergic neurons fron LPS (15 mg/kg) in male Sprague Dawley rats resulted in an increase of midbrain red to the control. In addition, LPS reduced the number and the density of tyrosine with EGCG (10 mg/kg) 24 h before LPS for 7 days decreased TNF-alpha and NO aber and the density of TH-ir neurons compared to LPS group. In conclusion, EGCG a reducing TNF-alpha and NO inflammatory mediators and preserving DA level in	n			
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