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hippocampal circuits; Discussion; Effects of oestradiol on hippocampal circuitry; Discussion; Oestrogen and cognitive function throughout the female lifespan; Discussion; Neuroprotective effects of phenolic A ring oestrogens; Discussion

The female sex hormone oestrogen as neuroprotectant: activities at various levels Discussion; Neurohormonal signalling pathways and the regulation of Alzheimer b-amyloid metabolism; Discussion; Oestrogens and dementia; Discussion; Index of contributors; Subject index

Sommario/riassunto

Although normally thought of as a sex hormone, recent research has highlighted the numerous and significant effects that oestrogen has on the CNS, extending far beyond its important reproductive role. It has been shown that oestrogen acts as a neural growth factor with important influences on the survival, plasticity, regeneration and ageing of the mammalian brain. This exciting book brings together leading clinicians and researchers to discuss oestrogen's basic mechanisms of action, the extrahypothalamic brain regions it affects, and its influence on cognitive functions in animals and h
