

Download Neurosteroids And Brain Function

Neurosteroids, also known as neuroactive steroids, are endogenous or exogenous steroids that rapidly alter neuronal excitability through interaction with ligand-gated ion channels and other cell surface receptors. Traumatic Brain Injury (TBI) is now recognized as a causative factor for hormonal deficiencies associated with personality changes based upon changes in the molecular chemistry of the brain. In pharmacology, GABA A receptor positive allosteric modulators are positive allosteric modulator (PAM) molecules that increase the activity of the GABA A receptor protein in the vertebrate central nervous system. Pineal gland: Pineal gland, endocrine gland found in vertebrates that is the source of melatonin, a hormone derived from tryptophan that plays a central role in the regulation of circadian rhythm (the roughly 24-hour cycle of biological activities associated with natural periods of light and darkness).