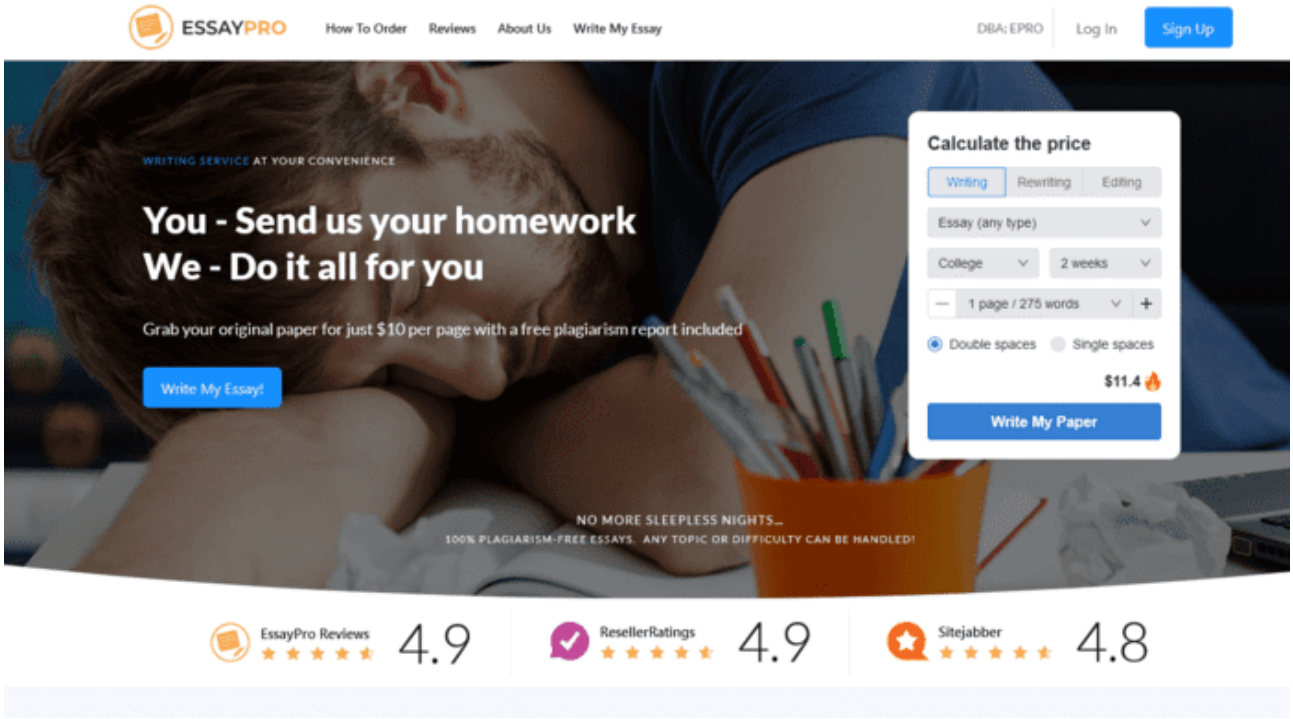
Part of the Neurons affected by SSRI Inhibitor/Prozac



ENTER HERE => https://bit.ly/abcdessay108

Part of the Neurons affected by SSRI Inhibitor/Prozac

Pharmacological Effects

SSRI selectively blocked the reuptake of 5HT through their inhibiting effects on the Na+/K+ adenosine triphosphatase (ATPase) dependant carrier in presynaptic neurons.

A standard TCA such as amitriptyline, which has about an equal tendency to block neuronal reuptake of 5HT and norepinephrine, Fluoxetine in 200 times more selective in blocking the reuptake of 5HT than of norepinephrine. Florentine

is approximately 4 times as potent as 5-HT reuptake inhibitor in vito as is amitriptyline and paroxetine is approximately 80 times as potent an inhibitor as amitriplyline.

Of the five available SSRI's, paroxetine and citalopram appear to be the most potent 5HT uptake blockers. The reuptake blocking properties of the SSRI's enhance general serotonergic tone in at least two distinct steps. Initially the SSRI's contribute to a significant increase in the availability of 5HT in the synaptic cleft.

Serotonin (5HT) interacts with multiple brain receptors. Three receptors subtype to influences a wide range of behaviors. There main families of 5HT receptors (5HT, 5HT2, 5HT3) have been described which differ in their binding affinity for selective ligands their receptor effectors coupling mechanism and the behavioral processes they regulate. Manipulation of several different %HT receptor subtypes (5HT1A, 5HTIC, 5HT2 and may produce anxiolytic effects; 5HTIA and 5HT2 receptors maybe involved in the etiology of major depression and the therapeutic effects of antidepressants treatment. 5HT3 receptors have been linked to reward mechanisms and cognitive processes. These advances offer therapeutic possibilities, the ...

... middle of paper ...

...ogy. By: PJ, Coen. National Library of Medicine

Pub Med. Br. J Psychiatry Suppliment, Sept1991, Vol. 12, p7-14.

Effects of Fluoxetine on Dpoamine D2 receptors in the human brain: a positron emission topography study with [11c] recopied. By: Aalto J; Hietala J; Hirvonen J; Illonen T; Kajander J; Nagren K; Penttila J; Syvalahti E. National Library of Medicine

Pub Med. Int J. Neuropsychopharmacol, Dec7,2004, Vol. 4, p431-439.

Systemic Uptake inhibition Decreases Serotonin release via Somatodendritic Autoreceptor Activation. By: Auerbach, Sidney B; Gundalah, Christine; Rutter, John J. M. Wiley Inter Science on-line, 1995, Vol.20, Issue 3, p225 to 233.

Fluoxetine: an update of its use in major depressive disorder in Adults. By: Gourion, D; Perrin, E; Quintin, P. National Library of Medicine Pub Med. Encephale, 2004Jul Aug30; 4: p392 to 399.

Other Arcticles:

- It Business Analyst Resume India
- Ancient Attempts At Applying Fairness Philosophy
- Antioxidants In Foods Natyral Antioxidants Biology
- Paradigms Essay
- Personal Samples Free
- Room 101 Gcse Coursework
- Preface To Fables Essay
- Into The Wild Book Report
- English Essay Bank Robbery

- Math Homework Help Hotline
- Praxis Writing Test Essay Topics
- Essays On Running And Translation
- Essays On The Cahsee