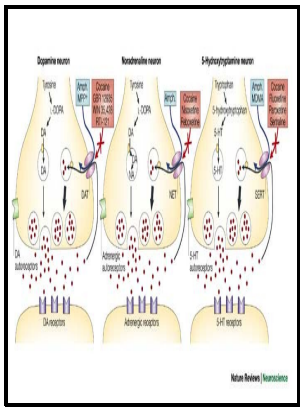
Neurotransmitter transporters - structure, function, and regulation

Humana Press - Neurotransmitter Transporters: Structure, Function and Regulation, Clinical and Experimental Pharmacology and Physiology



Description: -
-
School management and organization -- Law and legislation -- United States
Educational law and legislation -- United States
Membrane Transport Proteins -- physiology
Carrier Proteins
Neurotransmitter Agents -- physiologyNeurotransmitter transporters - structure, function, and regulation
-
Frye annotated -- no. 550
Scriptorum classicorum bibliotheca Oxoniensis
UCEA monograph series (Unnumbered)
UCEA monograph series
Contemporary neuroscienceNeurotransmitter transporters - structure, function, and regulation
Notes: Includes bibliographical references and index.
This edition was published in 2002

Filesize: 36.78 MB

Tags: #Plasma #membrane #monoamine #transporters: #structure, #regulation #and #function

Neurotransmitter Transporters—Structure, Function and Regulation. Edited by Maarten E. A. Reith. Humana Press, Totowa, New Jersey, 1997. ISBN: 0896033724. $?, Human Psychopharmacology: Clinical and Experimental

The transporter field has moved forward in stages. The transporter structure, function, mechanism of action, localization, and distribution, in addition to gene regulation, are discussed.

Neurotransmitters: What they are, functions, and psychology

Discoveries of glutamate and glutamine pools within intercellular compartments led to suggestions of the glutamate—glutamine cycle working between neurons and astrocytes. Recent advances providing structural insight into this family have vastly accelerated our ability to study these proteins and their involvement in complex biological processes. Influence Substrate Interaction with SLC6 Transporters and Other Proteins -- Currents in Neurotransmitter Transporters -- Mutational Analysis of Glutamate Transporters -- The Diverse Roles of Vesicular Glutamate Transporter 3 -- Extraneuronal Monoamine Transporter and Organic Cation Transporters 1 and 2: A Review of Transport Efficiency -- The Role of SNARE Proteins in Trafficking and Function of Neurotransmitter Transporters -- Regulation of the Dopamine Transporter by Phosphorylation -- The Dopamine Transporter: A Vigilant Border Control for Psychostimulant Action -- Oligomerization of Neurotransmitter Transporters: A Ticket from the Endoplasmic Reticulum to the Plasma Membrane -- Acute Regulation of Sodium-Dependent Glutamate Transporters: A Focus on Constitutive and Regulated Trafficking -- Regulation and Dysregulation of Glutamate Transporters -- Regulation of Vesicular Monoamine and Glutamate Transporters by Vesicle-Associated Trimeric G Proteins: New Jobs for Long-Known Signal Transduction Molecules -- Human Genetics and Pharmacology of Neurotransmitter Transporters -- ADHD and the Dopamine Transporter: Are There Reasons to Pay Attention? External links Wikimedia Commons has media related to.

Neurotransmitter Transporters

Specifically, this monoamine is synthesized in the serotonergic neurons of the central nervous system and in the entercromaffin cells of the gastrointestinal tract.

Neurotransmitter Transporters: Structure, Function and Regulation, 2nd ed.

The vesicular monoamine transporter VMAT is a transport protein integrated into the membrane of synaptic vesicles of presynaptic neurons. Neurotransmitters relay their messages by traveling between cells and attaching to specific receptors on target cells. Various drugs exert their psychological and physiological effects through reuptake inhibition, including many antidepressants and psychostimulants.

Neurotransmitter Transporters: Structure, Function and Regulation, Clinical and Experimental Pharmacology and Physiology

GABA is available in supplement form, but it is unclear whether these supplements help boost GABA levels in the body, according to.

Neurotransmitters: What they are, functions, and psychology

Having high levels of acetylcholine can cause too much muscle contraction. It also plays an important role in brain function and memory. Neurotransmitters play a role in nearly every function in the human body.

Neurotransmitters: What they are, functions, and psychology

It is a source for students interested in this emerging field as well as for experienced scientists looking for an update. Serotonin is synthesized through L-Tryptophan, an amino acid included in the genetic code that involves the action of important enzymes.

SLC6 neurotransmitter transporters: structure, function, and regulation

However, on occasion transporters can work in reverse, transporting neurotransmitters into the synapse, allowing these neurotransmitters to bind to their and exert their effect. A reuptake inhibitor RI is a type of drug known as a reuptake modulator that inhibits the plasmalemmal transporter-mediated reuptake of a neurotransmitter from the synapse into the pre-synaptic neuron. Humana Press, Totowa, New Jersey, 1997.

Related Books

- Federico da Montefeltros palace at Gubbio and its studiolo
- February opened the path to socialism - from speeches delivered at the two day national seminar mark
- Tradition and dream - a critical survey of British and American fiction from the 1920s to the presen
- J.R.R. Tolkien - a biography
- Kritischer Katalog der Gemäldesammlung