EFECTOS LITIO

ACELERACIÓN (AUGMENTATION)

Referencias:


BRAIN-NEUROGENESIS

Referencias


Neurogenesis: VEGF – a route to new neurons. Rachel Jones; Nature Reviews Neuroscience


CATECHOLMINE (NOREPINEPHRINE, SEROTONIN, DOPAMINE)

Referencias:


Effects of Lithium an of pH on Synaptosomal Metabolism of Noradrenaline. /Ross J. Baldessarini & Craig Yorke., Nature 228, 1301-1303 (26 December 1970); doi: 10.1038/228130a0


Seratonin and other molecules involved in depression. http://thebrain.mcgill.ca/flash/d/d_08/d_08_m/d_08_m_dep/d_08_m_dep.html


CIRCADIAN RHYTMS

Referencias:


Influence of lithium salts on chick pineal gland melatonin secretion. Pablos MI, Santaolaya MJ, Agapito MT, Recio JM. PMID: 7970155


EFECTOS BIOLOGICOS

Referencias:


ENOLGÍA

Referencia:


EPIGENETICS

Referencia:


Lithium Inhibits a Late Step in Agrin-Induced AChR Aggregation. S. K. Sharma,
Chronic lithium treatment increase the expression of brain-derived neurotrophic factor in the rat brain. Fukumoto T, Morinobu S., Okamoto Y, Kagaya A., Yamawaki S., Psychopharmacology (Berl) 2001 Oct; 158(1):100-6


Effect of lithium on hepatic drug-metabolizing enzymes of protein-deficient rats. Tandon A, Nagpaul JP, Dhawan DK. Biol Trace Elem Res. 1997;59(1-3) : 159-165


The methylation of nicotine with methyl-lithium. Haglid, F.. 1967-; vol 21(issue 2) : pp 329-34

Laboratory for Molecular Dynamics of Mental Disorders, Tadafumi Kato, http://www.riken.jp/en/research/labs/bsi/mol_dyn_ment_disord/

EPIGENETICS: INHIBITION OF GSK-3

Referencias:


ESSENTIALITY

Referencias:

**Lithium**, Elson M. Hass, M.D..
http://www.healthy.net/Health/Article/Lithium/2079


**Minerals Introduction**, www.supplementnews.org/minerals


**Lithium’s Potential Role in Preventing Alzheimer’s Disease**, Linda Fugate.
http://mysite.verizon.net/res003jh/lithium-orotate/id12.html

**Lithium and Violence**, http://www.dcnutrition.com/minerals/abstracts.cfm?RecordNumber=32
**Lithium: Trade names.**

www.pdrhealth.com/drug_info?nmdrugprofiles

---

**GLUTAMATE MECHANISM**

Referencias:

http://www.news.wisc.edu/3353


---

**GLUCINE**

Referencias:


---

**HEMATOPOIESIS**

Referencias:


---

**HORMONES**

Referencias:


**MATERIA BLANCA**

Referencias:


*Glial effects of the lithium mineral water María from Malnas-Bai.*  Constantin Munteanu, Gabriela Zamfirescu, Diana Munteanu and Delia Cinteza.  **Medica A Journal of Clinical Medicine**  Volume 1, No. 4, 2006

**MITOCHONDRIA PROTECTOR AND GENERATION**

Referencias:


*Effect of Lithium on the energy metabolism of nervous tissue.*  Gulidova GP, Khzardzhian VG, and Mikhailova NM.  Zh Nevropatol Psikhiatr Im SS Korsakova. 1977; 77(8):1179-86.


*Downregulation in components of the mitochondrial electron transport chain in the postmortem frontal cortex of subjects with bipolar disorder.*  Xiujun Sun, Jun-Feng Wang, Michael Tseng and L. Trevor Young. **J Psychiatry Neurosci.** 2006;31(3).

**MORPHOGENESIS EFFECT**

Referencias:


### NEURO INFLAMACIÓN

Referencias:


**Uncovering lithium’s mode of action.** *American Society for Biochemistry and Molecular Biology*. May 24, 2010.  
[www.sciencedaily.com/releases/2010/05/100521191440.htm](http://www.sciencedaily.com/releases/2010/05/100521191440.htm)


### NEUROMODULATION (Neurotransmitters, Enzymes)

Referencias:

**Can Lithium Benefit Brain Health?** Will Block.  

### NEURO PROTECCIÓN

Referencias:

[http://www.addapr.org/tratamiento/art%C3%ADculolitio.html](http://www.addapr.org/tratamiento/art%C3%ADculolitio.html)

**Lithium at 50: have the neuroprotective effects on this unique cation been overlooked?** Manji HK, Moore GJ, Chen G. *Biol Psychiatry*. 1999 Oct 1;46(7):929-40.

[www.newswithviews.com/Howenstine/james11.htm](http://www.newswithviews.com/Howenstine/james11.htm)


**Lithium, part 1, protect and renew your brain.** Wright, Jonathan V. *Townsend Letter for Doctors and Patients*  


Lithium also protects against glutamate toxicity. http://smarter.3owl.com/banchanida/minerals/013.html


NUTRICIONAL

Referencias:
Lithium Loves Life. We are now re-considering the scientific fact of yesterday. http://lithiumloveslife.com/?page_id=11

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<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Journal/Source</th>
<th>Year/Publication Details</th>
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<td>upon Mood and Behavior.</td>
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<td>controlled study with former drug users.</td>
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<td>Lithium Status and Intake Estimations in Serbia.</td>
<td>Ivana Djucic, Vidojko Jovic, and Voin Brkovic.</td>
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<td>ORGANOLITHIUM COMPOUNDS</td>
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<td>Referencias:</td>
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<td>Physical Organic Chemistry.</td>
<td>Umea University, Sweden, Faculty of Science</td>
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<td>and Technology, Organic Chemistry, Department of Chemistry.</td>
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<td>2003.</td>
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<td>PHARMACOGENETICS</td>
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<td>Martín Alda and Gustavo Turecki.</td>
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