

semantic search
for alternative
methods to animal
testing



Jan 24, 2018, 5:34:15 PM

Pre-filter used for the research:

Technical restrictions during the research:

Databases used for the research:

Results for PMID: 11489449 Neuroprotection by memantine, a non-competitive NMDA receptor antagonist after traumatic brain injury in rats. 2001

Relevance	PMID	Info
99%	16897723	3-Nitropropionic acid toxicity in hippocampus: protection through N-methyl-D-aspartate receptor antagonism., 2006 Karanian, David A,Baude, Andrea S,Brown, Queenie B,Parsons, Christopher G,Bahr, Ben A
98%	16817864	Neuroprotective properties of memantine in different in vitro and in vivo models of excitotoxicity., 2006 Volbracht, Christiane,van Beek, Johan,Zhu, Changlian,Blomgren, Klas,Leist, Marcel
97%	15319009	Erythropoietin attenuates post-traumatic injury in organotypic hippocampal slices., 2004 Adembri, Chiara,Bechi, Annalisa,Meli, Elena,Gramigni, Elena,Venturi, Luna,Moroni, Flavio,De Gaudio, A Raffaele,Pellegrini-Giampietro, Domenico E
96%	11161632	Selective blockade of the mGluR1 receptor reduces traumatic neuronal injury in vitro and improvesOutcome

Relevance	PMID	Info
95%	17250683	<p>Stretch-induced injury in organotypic hippocampal slice cultures reproduces in vivo post-traumatic neurodegeneration: role of glutamate receptors and voltage-dependent calcium channels., 2007</p> <p>Cater, Heather L,Gitterman, Daniel,Davis, Susan M,Benham, Christopher D,Morrison, Barclay,Sundstrom, Lars E</p>
94%	12622405	<p>Neuroprotection against excitotoxicity by N-alkylglycines in rat hippocampal neurons., 2002</p> <p>Valera, Elvira,Fernández-Salguero, Pedro M,Planells-Cases, Rosa,Messeguer, Angel, Van Den Nest, Wim,Carreño, Cristina,Ferrer-Montiel, Antonio,Merino, Jaime M</p>
93%	8856698	<p>bFGF enhances the protective effects of MK-801 against ischemic neuronal injury in vitro., 1996</p> <p>Barth, A,Barth, L,Morrison, R S,Newell, D W</p>
92%	19384585	<p>Protective effect of memantine against Doxorubicin toxicity in primary neuronal cell cultures: influence a development stage., 2009</p> <p>Jantas, D,Lason, W</p>
91%	16344151	<p>Ionotropic glutamate receptors and glutamate</p>

Relevance	PMID	Info
90%	20377305	<p>The use of organotypic hippocampal slice cultures to evaluate protection by non-competitive NMDA receptor antagonists against excitotoxicity., 2010</p> <p>Ring, Avi,Tanso, Rita,Noraberg, Jens</p>
89%	18655777	<p>GMP prevents excitotoxicity mediated by NMDA receptor activation but not by reversal activity of glutamate transporters in rat hippocampal slices., 2008</p> <p>Molz, Simone,Tharine, Dal-Cim,Decker, Helena,Tasca, Carla I</p>
88%	19644042	<p>Neuroprotection by tosyl-polyamine derivatives through the inhibition of ionotropic glutamate receptors., 2009</p> <p>Masuko, Takashi,Namiki, Rie,Nemoto, Yuta,Miyake, Muneharu,Kizawa, Yasuo,Suzuki, Toyofumi,Kashiwagi, Keiko,Igarashi, Kazuei,Kusama, Tadashi</p>