

Influence of a Nitric Oxide Donor on Electrical Characteristics of the Premotor Interneurons of Terrestrial Snails

Bogodvid T., Andrianov V., Muranova L., Gainutdinov K.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© 2016, Springer Science+Business Media New York. It has been found that application of a nitric oxide donor—the sodium nitroprusside—causes the hyperpolarization shift of the membrane potential of the premotor interneurons of defensive behavior of terrestrial snails. It is assumed that the response of a neuron to NO depends on its location in the neural network.

<http://dx.doi.org/10.1007/s12668-016-0221-1>

Keywords

Identified neurons, Membrane potentials, Nitric oxide, Snail, Sodium nitroprusside