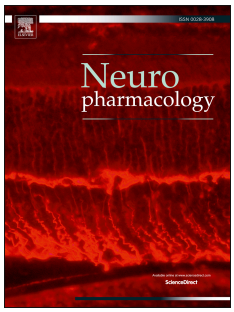
Accepted Manuscript



Ventral hippocampal histamine increases the frequency of evoked theta rhythm but produces anxiolytic-like effects in the elevated plus maze

Michelle Yeung, Dallas Treit, Clayton T. Dickson

PII: S0028-3908(15)30116-7

DOI: 10.1016/j.neuropharm.2015.09.024

Reference: NP 6017

To appear in: *Neuropharmacology*

Received Date: 28 March 2015

Revised Date: 13 September 2015

Accepted Date: 17 September 2015

Please cite this article as: Yeung, M., Treit, D., Dickson, C.T, Ventral hippocampal histamine increases the frequency of evoked theta rhythm but produces anxiolytic-like effects in the elevated plus maze, *Neuropharmacology* (2015), doi: 10.1016/j.neuropharm.2015.09.024.

Ventral hippocampal histamine increases the frequency of evoked theta rhythm but produces anxiolytic-like effects in the elevated plus maze.

Michelle Yeung[1], Dallas Treit[1,2] Clayton T Dickson[1,2,3]

[1] Department of Psychology, University of Alberta, P-217 Biological Sciences Building, Edmonton, AB, Canada T6G 2E9

[2]Centre for Neuroscience, 5005-A Katz Group Centre, University of Alberta, Edmonton, AB, Canada T6G 2E1

[3]Department of Physiology, 7-55 Medical Sciences Building, University of Alberta, Edmonton, AB, Canada T6G 2H7

Corresponding author:

Dallas Treit, PhD
Professor
Department of Psychology
P-217 Biological Sciences Building
University of Alberta
Edmonton AB
Canada T6G 2E9
phone: (780) 492-7861
fax: (780) 492-1768
email: dtreit@ualberta.ca

Grant Sponsors: Natural Sciences and Engineering Research Council of Canada

Grants #249861 to CTD and # 38726 to DT

KEY WORDS: hippocampus, oscillation, anxiety, histamine, theta suppression model, elevated plus- maze