

Effect of dopamine D₂ receptor antagonists on [¹⁸F]-FEOBV binding

Anna Schildt^{1,2}, Erik F.J. de Vries¹, Antoon T.M. Willemsen¹, Bruno Lima Giacobbo¹, Rodrigo Moraga-Amaro¹, Jürgen W.A. Sijbesma¹, Aren van Waarde¹, Vesna Sossi², Rudi A.J.O. Dierckx¹, Janine Doorduyn¹

1 Department of Nuclear Medicine and Molecular Imaging, University of Groningen, University Medical Center Groningen, Groningen, the Netherlands

2 Department of Physics and Astronomy, University of British Columbia, Vancouver, Canada

Supporting Information

Supplemental Table 1 Influx rate constant (K_1 , [min⁻¹], mean ± SD) of [¹⁸F]-FEOBV in brain tissue in control rats and rats pretreated with 10 mg/kg haloperidol or 1 mg/kg raclopride. K_1 was estimated using the 2-tissue compartmental model.

Brain region	Control (n=5)	Haloperidol (n=5)	Raclopride (n=6)
Brainstem	0.505±0.069	0.494±0.124	0.525±0.139
Cerebellum	0.514±0.072	0.494±0.132	0.498±0.146
Cortex	0.377±0.059	0.367±0.095	0.387±0.134
Frontal Cortex	0.421±0.058	0.409±0.101	0.443±0.140
Hippocampus	0.421±0.059	0.430±0.102	0.433±0.139
Hypothalamus	0.471±0.062	0.453±0.108	0.497±0.132
Striatum	0.428±0.076	0.418±0.095	0.451±0.142
Thalamus	0.508±0.084	0.498±0.125	0.526±0.174
K_1 in min ⁻¹			