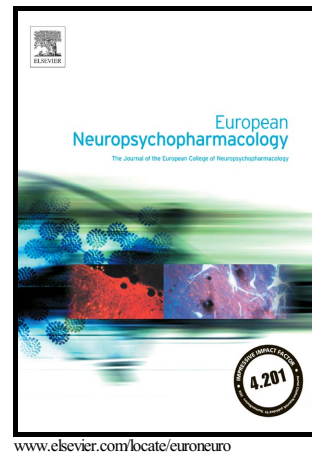


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Abbreviations: ACh, acetylcholine; AUC, area under curve; BOLD, blood oxygenation level dependent; CBF, cerebral blood flow; CBV, cerebral blood volume; CBV_w, cerebral blood volume-weighted; FOV, field of view; GABA, gamma-amino butyric acid; LFP, local field potential; MABP, mean arterial blood pressure; nAChR, nicotinic acetylcholine receptor; NE, norepinephrine; pHMRI, pharmacologic MRI; S1, primary somatosensory cortex; SB, spontaneously breathing; SE-EPI, spin-echo echo planar imaging; TE, echo time; TR, repetition time

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