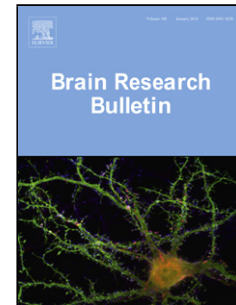


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Drugs targeting intermediate filaments can improve neurosupportive properties of astrocytes

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Key words

Intermediate filaments (nanofilaments), astrocytes, neuroprotection, oxygen and glucose deprivation, oxidative stress

Highlights

Clomipramine lowers GFAP, vimentin and nestin protein level in astrocytes in vitro

Clomipramine and epoxomicin increase in vitro neurosupportive effects of astrocytes

Clomipramine and epoxomicin do not adversely affect astrocyte resilience to OGD

Abbreviations

CNS, central nervous system; GFAP, glial fibrillary acidic protein; OGD, oxygen-glucose deprivation

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