

Duke File (IDF) Number

IDF #:T-003264

Meet the Inventors

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Department

Neurobiology

Neuroprotection by small molecule EphB3 kinase inhibitors

EphB3 kinase inhibitor compounds, including certain pyrazolo[1,5-a]pyridine and imidazo[1,2-a]pyridine compounds, inhibit EphB3 kinase. The EphB3 kinase inhibitor compounds can have greater potency for the inhibition of EphB3 kinase than general kinase inhibitors. Pharmaceutical compositions, such as neuroprotective agents, comprising the EphB3 kinase inhibitor compounds are also provided. The EphB3 kinase inhibitor compounds and pharmaceutical compositions are useful, for example, to provide neuroprotection and/or repair of neuronal tissue damaged during an ischemic event, such as a stroke.

