

## **Establishment of an *in vitro* Parkinson's model for the screening of marine compounds**

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Several studies have been indicated that neuroinflammatory processes play a critical role in the neurodegenerative diseases. In our laboratory, marine-derived compounds ya-s 11, ya-s 14 and WF1 have shown anti-inflammatory activity. In the present study, we established 6-hydroxydopamine-induced neuronal cell death (a *in vitro* Parkinson's model) and elucidate the possible cellular mechanisms. Finally, we are trying to investigate that the neuroprotective effect in these marine compounds.