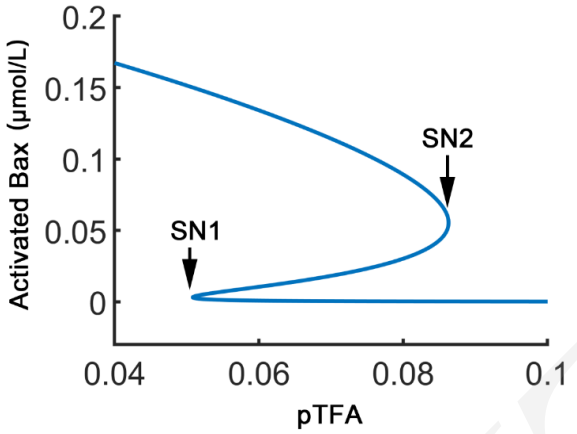
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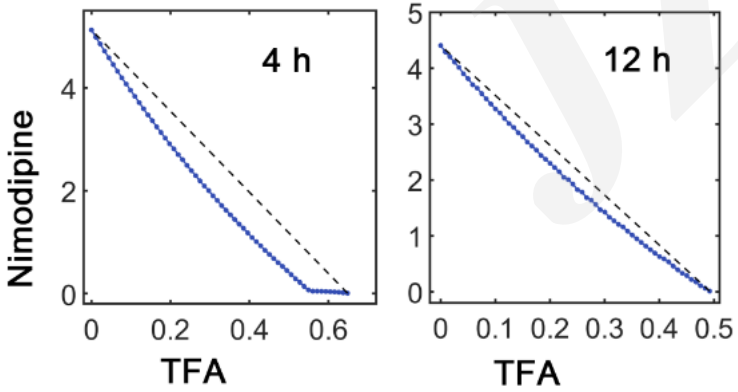
Modeling the neuro-protection of theaflavic acid from black tea and its synergy with nimodipine via mitochondria apoptotic pathway

Key words: **TFA; Nimodipine; Ischemic stroke; Apoptosis; Synergy**

Research Summary

This article mainly demonstrates that Theaflavic acid (TFA) treatment can produce bistability and TFA and shows synergy with Nimodipine. The key roles of TFA are summarized:





- **Generation of bistability**
- **Synergy with Nimodipine**
- **Neuro-protection**

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Innovation points

- **Demonstration** of the mechanism of TFA-induced bistability and its protective role during OGD/R

- **Summary** of stochastic effects in survival or death after TFA treatment

- **Emphasis** of the synergistic effect of TFA and Nimodipine in neuro-protection

