



Kainate

### BIOLOGY

Overstimulation of AMPA/kainate receptors happens in pathophysiological conditions such as ischemia or epilepsy where prolonged exposure of neurons to glutamate triggers excitotoxic mechanisms. Overactivation and desensitization of AMPA/kainate receptors could be artificially mimicked by exposure to micromolar concentrations of kainate, a selective AMPA/kainate receptor agonist.

### PATHOLOGIES ASSOCIATED WITH KAINATE RECEPTORS

- Stroke
- Epilepsy
- Pain
- Cognitive Dysfunctions

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