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Oxcarbazepine

National Cancer Institute

Source

National Cancer Institute. *Oxcarbazepine*. NCI Thesaurus. Code C47643.

A dibenzazepine carboxamide derivative with an anticonvulsant property. As a prodrug, oxcarbazepine is converted to its active metabolite, 10-monohydroxy. Although the mechanism of action has not been fully elucidated, electrophysiological studies indicate this agent blocks voltage-gated sodium channels, thereby stabilizing hyper-excited neural membranes, inhibiting repetitive neuronal firing, and decreasing the propagation of synaptic impulses.