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Propafenone Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Propafenone Hydrochloride*. NCI Thesaurus. Code C47692.

The hydrochloride salt form of propafenone with class 1C antiarrhythmic effects. Propafenone hydrochloride stabilizes the neuronal membrane by binding to and inhibiting voltage-gated sodium channels, thereby reducing sodium influx required for the initiation and conduction of impulses in Purkinje and myocardial cells. This agent produces a marked depression of phase 0 and prolonged effective refractory period in the atrio-ventricular nodal and His-Purkinje tissue, resulting in a profound decrease in excitability, conduction velocity and automaticity, thereby counteracting atrial and ventricular arrhythmias.