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# Dofetilide

National Cancer Institute

## Source

National Cancer Institute. *Dofetilide*. NCI Thesaurus. Code C47499.

A sulfonamide class III antiarrhythmic agent and potassium channel blocker. Dofetilide selectively blocks cardiac ion channels of the rapid component of the delayed rectifier potassium current  $I_{Kr}$ . This antiarrhythmic agent prolongs cardiac action potential duration and effective refractory period due to delayed repolarization without affecting conduction velocity. This results in a normal sinus rhythm. Dofetilide is used in the treatment of atrial fibrillation and flutter.