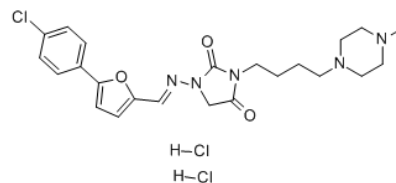


**Product Name** : Azimilide dihydrochloride  
**Cat. No.** : PC-45472  
**CAS No.** : 149888-94-8  
**Molecular Formula** :  $C_{23}H_{30}Cl_3N_5O_3$   
**Molecular Weight** : 530.875  
**Target** : Potassium Channel  
**Solubility** : DMSO: < 10.4 mg/mL



### Biological Activity

Azimilide dihydrochloride is a class III antiarrhythmic agent that blocks hERG channel; blocks HERG channel at 0.1 and 1 Hz with IC<sub>50</sub>s of 1.4  $\mu$ M and 5.2  $\mu$ M respectively. Azimilide blocks the rapidly activating component of the delayed rectifier, IKr (IC<sub>50</sub>=0.4  $\mu$ M), and inhibits IKs (IC<sub>50</sub>=3  $\mu$ M); shows anti-arrhythmic effects.

### References

- Busch AE, et al. Br J Pharmacol. 1998 Jan;123(1):23-30.  
Fermini B, et al. J Cardiovasc Pharmacol. 1995 Aug;26(2):259-71.  
Walker BD, et al. Cardiovasc Res. 2000 Oct;48(1):44-58.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com