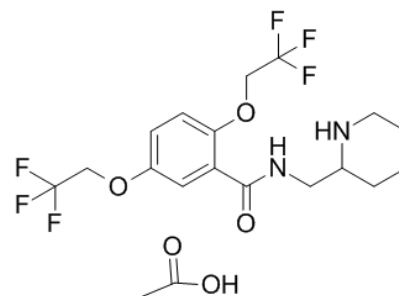


Product Name : Flecainide acetate
Cat. No. : PC-45252
CAS No. : 54143-56-5
Molecular Formula : C₁₉H₂₄F₆N₂O₅
Molecular Weight : 474.3947
Target : Sodium Channel
Solubility : 10 mM in DMSO



Biological Activity

Flecainide acetate (R-818) is a class Ic **antiarrhythmic** agent used to prevent and treat tachyarrhythmias, works by blocking the **Nav1.5** sodium channel in the heart, slowing the upstroke of the cardiac action potential.

Flecainide acetate also inhibits ryanodine receptor 2 (**RyR2**), reduces calcium sparks and thus arrhythmogenic calcium waves in the heart.

References

Hilliard FA, et al. *J Mol Cell Cardiol*. 2010 Feb;48(2):293-301.

Salvage SC, et al. *Acta Physiol (Oxf)*. 2015 Jul;214(3):361-75.

Salvage SC, et al. *Br J Pharmacol*. 2017 Apr 3. doi: 10.1111/bph.13807.

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

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