

**Product Name:** Flecainide acetate

**Catalog No.:** 1470

**Batch No.:** 2

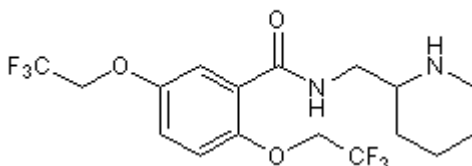
CAS Number: 54143-56-5

IUPAC Name: *N*-(2-Piperidylmethyl)-2,5-bis-(2,2,2-trifluoroethoxy)benzamide acetate

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>17</sub>H<sub>20</sub>F<sub>6</sub>N<sub>2</sub>O<sub>3</sub>·C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>  
**Batch Molecular Weight:** 474.4  
**Physical Appearance:** White solid  
**Solubility:** water to 25 mM  
 DMSO to 100 mM  
**Storage:** Desiccate at +4°C  
**Batch Molecular Structure:**

.C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>



**2. ANALYTICAL DATA**

**HPLC:** Shows 100% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon Hydrogen Nitrogen		
Theoretical	48.1	5.1	5.91
Found	48.25	5.03	5.85

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**Description:**

Open Na<sup>+</sup> channel blocker that inhibits fast Na<sup>+</sup> current in cardiac muscle in a use- and concentration-dependent manner. Orally-active class Ic antiarrhythmic agent.

**Physical and Chemical Properties:**

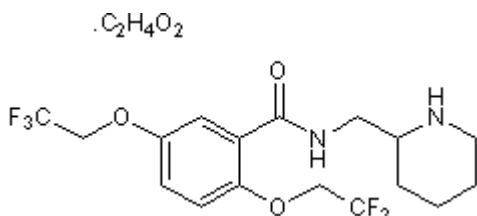
Batch Molecular Formula: C<sub>17</sub>H<sub>20</sub>F<sub>6</sub>N<sub>2</sub>O<sub>3</sub>·C<sub>2</sub>H<sub>4</sub>O<sub>2</sub>

Batch Molecular Weight: 474.4

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Desiccate at +4°C

**Solubility & Usage Info:**

water to 25 mM  
DMSO to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

**References:**

**Banitt et al** (1977) Antiarrhythmics. 2. Synthesis and antiarrhythmic activity of *N*-(piperidylalkyl)trifluoroethoxybenzamides. *J.Med.Chem.* **20** 821. PMID: 874956.

**Singh et al** (1984) The electrophysiology and pharmacology of verapamil, flecainide, and amiodarone: correlations with clinical effects and antiarrhythmic actions. *Ann.N.Y.Acad.Sci.* **17** 251. PMID: 6395762.

**Rouet and Ducouret** (1994) Use-and concentration-dependent effects of flecainide in guinea pig right ventricular muscle. *J.Cardiovasc.Pharmacol.* **24** 177. PMID: 7526048.

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