
Product Data Sheet

Product Name: Flecainide hydrochloride

Cat. No.: GC65150

Chemical Properties

Cas. No. 57415-44-8

Formula C₁₇H₂₁ClF₆N₂O₃

M.Wt 450.8

Solubility DMSO : 250 mg/mL (554.57 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Flecainide hydrochloride is a potent and orally active antiarrhythmic agent. Flecainide hydrochloride blocks the cardiac fast inward Na⁺ current (I_{Na}) and the rapid component of the delayed rectifier K⁺ current. Flecainide hydrochloride prolongs the action potential duration (APD) in ventricular and atrial muscle fibres. Flecainide hydrochloride has the potential for the research of fetal tachycardias[1][2][3].

[1]. Echt DS, et al. Mortality and morbidity in patients receiving encainide, flecainide, or placebo. The Cardiac Arrhythmia Suppression Trial. N Engl J Med. 1991 Mar 21;324(12):781-8.

[2]. Aliot E, et al. Twenty-five years in the making: flecainide is safe and effective for the management of atrial fibrillation. Europace. 2011 Feb;13(2):161-73.

[3]. Allan LD, et al. Flecainide in the treatment of fetal tachycardias. Br Heart J. 1991 Jan;65(1):46-8.

Caution: Product has not been fully validated for medical applications. For research use only.

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